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Gro. J. Ball  
INC.  
WEST CHICAGO  
ILLINOIS

"Flower Seeds for Florists"

*Petunia*

**BALL DWARF GIANT No. 1**

The most uniformly good strain of Dwarf Giants. Ideal for use as spring pot plants. Turn to page 5.

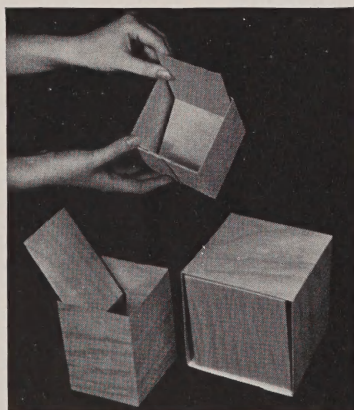
CATALOG No. 43 — JANUARY, 1942

# PLANT BANDS

## HAVE BECOME A NECESSITY

The increasing demand for these Ball Better Plant Bands is clear evidence of their practical usefulness to every florist and nurseryman. You will find them ideal for planting up roses, evergreens, and other stock ready for lining out. For carrying your hardy perennials over into fall or spring, you will find them valuable. If you haven't used them, be sure to write us for samples of sizes suitable for your work. Azalea growers especially, find these just what they want, and are using them in increasing quantities. Note they are made also with bottoms in sizes from 4x4x4 up. *We strongly urge you to order early enuf to allow time for freight delivery—* which costs considerably less, although a little slower.

Photo below shows plant bands with bottoms which now come in six sizes, delivered to you with bottoms attached.



Samples of sizes you are interested in furnished free on request. In ordering, be sure to give full shipping instructions. All delivery charges to be paid by customer. If you are in eastern territory, write us for special prices on quantities, F.O.B. our warehouse at Exeter, New Hampshire, from where they are shipped at saving in freight.

### Sizes, Prices and Shipping Weights

Prices given are F.O.B. our Warehouse West Chicago

Wt. per 1000	Wt. per 1000
1 3/4 x 1 3/4 x 2 1/2	4 x 4 x 6
500 .. \$1.40	500 .. \$3.65
1000 .. 2.60 19 lbs.	1000 .. 7.20 82 lbs.
2 x 2 x 3	6 x 6 x 6
500 .. \$1.55	500 .. \$6.05
1000 .. 2.90 24 lbs.	1000 .. 11.90 98 lbs.
2 1/2 x 2 1/2 x 3	6 x 6 x 9
500 .. \$1.60	500 .. \$ 9.60
1000 .. 3.10 33 lbs.	1000 .. 18.95 250 lbs.
3 x 3 x 3	With Bottoms
500 .. \$1.95	4 x 4 x 4
1000 .. 3.70 38 lbs.	500 .. \$3.75
3 x 3 x 4	1000 .. 7.30 72 lbs.
500 .. \$2.25	4 x 4 x 6
1000 .. 4.30 44 lbs.	500 .. \$ 5.40
4 x 4 x 3	1000 .. 10.65 112 lbs.
500 .. \$2.10	6 x 6 x 4
1000 .. 3.95 45 lbs.	500 .. \$ 7.70
4 x 4 x 4	1000 .. 15.25 160 lbs.
500 .. \$2.65	6 x 6 x 6
1000 .. 5.10 63 lbs.	500 .. \$ 9.75
3 x 3 x 6	1000 .. 19.30 180 lbs.
500 .. \$3.15	6 x 6 x 9
1000 .. 6.15 66 lbs.	500 .. \$13.20
	1000 .. 26.15 350 lbs.
	6 x 7 x 12
	500 .. \$ 6.60
	1000 .. 12.90 155 lbs.

Quantity discount of 5% is allowed on orders of 25,000 made up of various sizes. If interested in larger quantities write us.

We are exclusive selling agents for these Bands of Rocky Mountains, and stock them at West Chicago from where shipments are made. All Canadian orders are handled exclusively for us by Dale Estate, Brampton, Ontario.



Picturing Buddleia plant in 6-inch band that has been potted up a year. Many other plants can be handled in this manner with these very practical bands. Can be moved as necessary if those with bottoms are used.



### TRANSPLANTING INSURANCE

Pictured is a healthy, well developed carnation plant just lifted from the field and ready to bench in one of our two 300 foot greenhouses devoted to Carnations here at West Chicago. The removed plant band to the left exposes a vigorous root system that will quickly send out feeder roots to hasten your plants unchecked into crop production.

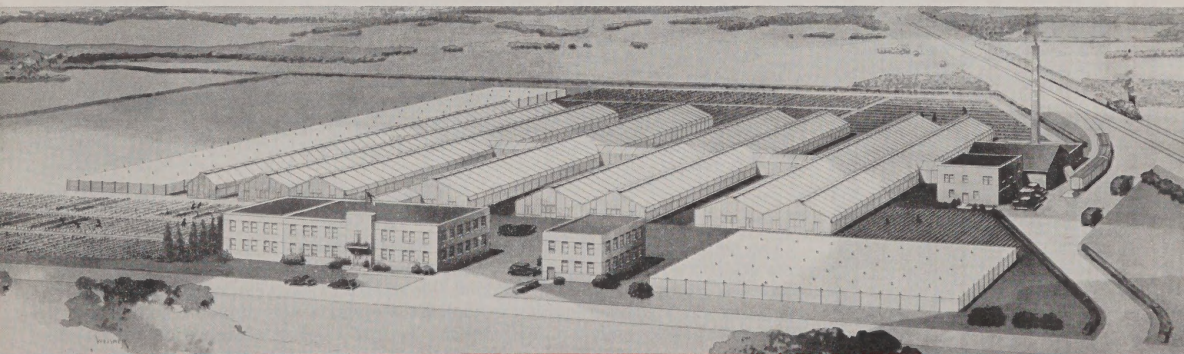


Geo. J. Ball

## 1942 AND THE FLORIST

- Whatever the coming year has in store for our unfortunate world, the Florists of America should be well prepared to carry out their business of adding brightness and cheer. And we are going to be more freely called on to do so for general business is quite active.
- We will have to continue adjusting our plans to a few shortages. Also the general increase in prices of everything we use makes necessary the minor price changes found in this catalog.
- We express our thanks for the increasing support of our efforts to produce and supply good "Flower Seeds for Florists."

*Geo. J. Ball.*



*"All the best - Nothing else"*

# VARIETIES OF SPECIAL VALUE ..

We have selected all varieties on these two pages with special care. All are outstanding either as new or standard kinds. We feel sure that it will pay you to go over these pages with the same care that we have.

## **Petunia Dwarf Giant No. 1**

This is the best available strain of Dwarf Giants, 85-90% true dwarf Giants in a well balanced mixture of dark to light colors. A January sowing grown cool as they should be, in full for Mother's Day in 4 in. pots with a 4½-5 in. flower. Such plants sell quickly in anybody's business. We have a nice harvest of seed and are ready to fill all orders for it promptly. ½ Tr. pkt., 75c; Tr. pkt., \$1.25; 1/64 oz., \$2.25; 1/32 oz., \$4.00; 1/16 oz., \$7.00.

## **Petunia All Double "Brilliance"**

In our trials the past summer this new one clearly improves the popular Pink Perfection (World Beauty) with a considerably deeper carmine rose color, and a more dwarf or compact growth. We also find the double percentage higher. We believe Brilliance will head the All Double list as a pot plant and for bedding. Supply limited. ½ Tr. pkt., \$1.50; Tr. pkt., \$2.75.

## **Petunia All Double "Attraction"**

This new variety is the most uniformly dwarf one in the All Double class. Its compact habit makes it especially desirable for pot plant work. The color is a blotched combination of white and deep rose pink, similar to All Double Gaiety, but deeper and more uniformly dwarf. We suggest planting out a row of both the above All Doubles for cutting propagation next fall, for beyond the present limited seed supply none will be available until better relations are established with Japan. ½ Tr. pkt., \$1.50; Tr. pkt., \$2.75.

## **Petunia "Celestial Rose Imp."**

This improves the regular stock in being noticeably larger flowered and some deeper in color. While this improvement is not striking, it is strong enough to make this strain clearly a better stock and well worth the cost, considering that there are around 200,000 petunia seeds in an ounce. Tr. pkt., 40c; ⅛ oz., \$1.50; ¼ oz., \$2.50; 1 oz., \$8.00.

## **Petunia "Fair Lady"**

This is a choice, light or blush pink, dwarf Hybrid or bedding variety. It was pictured on the front cover of our last spring catalog. We continue to find this new, original color a popular and a pleasing one, and especially fine for bedding because of its dwarf habit as well as color. Tr. pkt., 35c; 1/16 oz., \$1.25; ⅛ oz., \$2.00; ¼ oz., \$3.75; 1 oz., \$12.00.

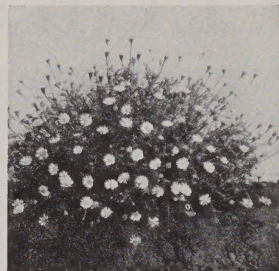
## **Marigold "Spry"**

The color reproduction of this dwarf French variety on our back cover hardly does justice to the striking color combination of greenhouse grown flowers. Our plate was made from our trial ground flowers. The light yellow center or cushion contrasts much brighter with the mahogany outer petals than does the variety Harmony that we believe it will replace for spring plant combination work. The best dwarf French novelty since Harmony was released. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50; 4 ozs., \$8.00.

# THAT YOU SHOULD GROW

## Dahlberg Daisy

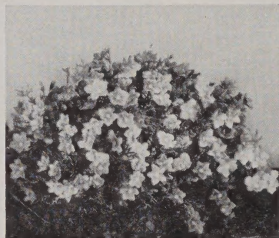
A really attractive and valuable addition to the small, edging and bedding plant field. As the photo to the right shows, Dahlberg Daisy makes a very compact, rounded plant approximately 8 in. high by 12 in. wide. From a March sowing, will cover itself with small yellow single flowers from June until frost. See page 30 for further description. Tr. pkt., 50c;  $\frac{1}{8}$  oz., \$1.25;  $\frac{1}{4}$  oz., \$2.25; 1 oz., \$3.00.



*Dahlberg Daisy*

## Marigold "Butterball"

Another strikingly nice new dwarf French, much more dwarf than Harmony, giving it particular value for bedding or pot plants where a butter yellow effect is wanted. Butterball is yellow thruout except that the tip of each petal carries a small spot of maroon. This adds a novelty variation in color that will be found particularly pleasing and attractive when flowered in spring as a pot plant. An All America bronze medal winner. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.50; 4 ozs., \$8.00.



*Nierembergia "Purple Robe"*

## Nierembergia "Purple Robe"

Another All America Winner, this variety quite overcomes the bleached or faded flowers during hot weather of N. Hippomanica. In this new variety the flowers are uniformly thruout summer a fairly deep violet purple, the color of the old variety at its very best. However, the growth of PURPLE ROBE we find not quite so spreading; for this reason should be spaced closer in planting out. Both varieties are half hardy perennials and will flower in four months from sowing—nice to sell plants of in  $2\frac{1}{2}$ 's. Tr. pkt., 75c;  $\frac{1}{32}$  oz., \$2.00;  $\frac{1}{16}$  oz., \$3.50.

## Ipomoea "Pearly Gates"

This new white Morning Glory received the highest All America award the past season. So there was plenty unanimous feeling among competent authorities regarding its merits. Tho with a slightly creamy throat, it is readily accepted as a clear white. A valuable point is that we now have red, white and blue in Morning Glories; the red being Cornell. All three are had in flower during May in 4 in. pots by sowing early in March with us. Sown in February, we find they make too much growth. When hardened into flower in this way they not only sell well, but tend to stay in flower. The three colors in flower should sell well next spring. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.25; 1 oz., \$4.00.



*Ipomoea "Pearly Gates"*

## Cosmos "Orange Ruffles"

This is a semi double glowing orange the shade of the well-known Orange Flare. The several rows of additional petals produced by ORANGE RUFFLES give it a more worth while character for cutting. It is more dwarf in growth and correspondingly earlier flowering than Orange Flare. Because of its comparatively dwarf growth, it will be found attractive for edging or bedding. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.50.

## Celosia "Fiery Feather"

This fiery red celosia is of more value to retail growers than is generally appreciated. It is easily flowered in  $2\frac{1}{2}$  in. pots for use in combinations. For this grow in a warm house and avoid a check thru over or under watering. Because of its very uniformly dwarf growth in the open (12-14 in.) this Celosia is ideal for bedding or edging. When in full flower outdoors in the fall, it is easily lifted and potted, making attractive 5-6 in. pot plants. Tr. pkt., 25c;  $\frac{1}{8}$  oz., 60c;  $\frac{1}{2}$  oz., \$2.00.



*Cosmos "Orange Ruffles"*

● **OUR GREAT SPECIALTY**—The heavy increase in the value of the Petunia business in recent years is due not only to their improvement, but to an ever increasing appreciation of their value for bedding and pot plants; and nothing will so continuously brighten summer combinations. While nothing is easier to grow, they do respond to a cool, airy, light house; and don't overcrowd them. In sowing this quite small seed, remember that its germination is more certain and prompt in a temperature of 65 to 70 degrees than in a cold, wet soil; and we prefer to use no cover, depending on an overhead fine spray to partly bury them.

# FLORISTS' PETUNIAS

## THE BALL ALL DOUBLES



*The All Doubles will very easily bear their share of the "No-Lily" Easter burden this year. They make fine pot plants.*

**Orchid Beauty.** A medium to light lilac with darker veins. Habit inclined a little tall and stringy for pot plant work. Produces 50 to 55% fully double flowers.

**Amaranth Red.** As the name implies, a deep magenta or amaranth red—not too desirable for most work.

**Victorious Mixed.** The Originator's mixture of all colors in the dwarf, large flowered Victorious class to which all the above varieties belong. A complete and bright mixture of colors.  $\frac{1}{2}$  tr. pkt., \$1.25; tr. pkt. (containing over 1000 seeds), \$2.50.

**Prices** on all varieties and Mixture, and Victorious Mixed.  $\frac{1}{2}$  tr. pkt., \$1.25; except the new Brilliancy, Attraction tr. pkt. containing approx. 1000 seeds, \$2.50.

The most valuable class for pot plants. In a 48 to 50 deg. house, a January sowing is grown into 3 to 4 in. flowering plants for Mother's Day for which they are ever popular. All the seed available is from 1940 crop. Our Dec. germination tests of all varieties is marked "good" and because of its value and scarcity, **WE CANNOT ACCEPT RESPONSIBILITY FOR NON-GERMINATION.**

**\*Brilliancy (new).** In our trials, this new one improves the popular Pink Perfection with a considerably deeper carmine-rose color and a much more dwarf and compact growth and more fully double flowers. Because of its more restricted growth, we particularly recommend it for spring pot plant work. Our trial this season outdoors counted 75% large, fully double flowers.

**\*Attraction (new).** Of the same extra compact and restricted growth as Brilliancy, making it an ideal pot plant variety. Color type is quite similar to Gaiety—irregularly marked brilliant deep carmine rose and white. A very brilliant color combination that should make a first-class All Dble. Petunia for pots. Our 50 plant trial the past summer produced 80% large, fully double flowers.

**Prices.** Because of a shortage of seed, we are able to offer only half trade pkts. and full trade packets (containing about 1000 seeds) only of the above two new All Doubles.  $\frac{1}{2}$  tr. pkt., \$1.50; tr. pkts., \$2.75.

**\*Pink Perfection (World Beauty).** Our biggest selling and finest separate color All Double variety. Color a bright deep rose. Of sufficiently dwarf and compact growth for pot plant work and yet a strong enough grower for outdoor bedding work. Will produce 65 to 70% large, fully double flowers.

produce about 60% fully double flowers. Make some allowance in sowing time for its slightly later flowering. Because of a limited supply of seed, we can supply only half and full trade packets.

**\*Ball All Double Mixture.** This is a FORMULA MIXTURE made up from the above named varieties according to the following formula:  $\frac{1}{2}$  Pink Perfection,  $\frac{1}{4}$  Snowball and the balance in all other varieties listed except the two new ones, Brilliancy and Attraction. This formula quite closely follows our seed sales of the named varieties and is intended for the small retail grower who cannot afford to invest in a packet each of several varieties. Should produce 60 to 65% fully double flowers.

**\*Snowball.** A clear white All Double variety. Growth quite strong and robust, sufficiently compact for pot work and fine for outdoor bedding. Should produce about 60% large fully double flowers.

**\*Blue Brocade.** Altho slightly later in flowering when grown under greenhouse conditions as a pot plant and considerably later under outdoor bedding conditions, its Elk's Pride purple color fills a long-needed color class in the All Doubles. Of very dwarf and compact growth, producing fine pot plants. Will

produce about 60% fully double flowers. Make some allowance in sowing time for its slightly later flowering. Because of a limited supply of seed, we can supply only half and full trade packets.

**\*Gaiety.** Of a comparatively dwarf and compact growth—fine for pot plant work. Color combination consists of irregular deep rose and white blotches—very attractive and bright. Should produce 55 to 60% fully double flowers, balance semi-double.

**Appleblossom.** Color a clear, light appleblossom pink. Very fine dwarf and compact habit and large, fully fringed and double flowers. An excellent variety where its light pink color is in demand.

**Loveliness.** Color varies between the light pink of Appleblossom and the deep rose of Pink Perfection. Good habit for either pot plant or outdoor bedding work.

# THE CALIFORNIA GIANTS

We offer this Giant flowered class in a variety of heights from our Dwarf Giant No. 1 to the regular Calif. Giants No. 5. By far the heaviest demand is for our BALL DWARF GIANT NO. 1. Large pot plant growers use it heavily for 3 and 4 in. sizes, it producing a large flower in a 3 in. Our No. 2 strain averages slightly taller, but will be found excellent. Both these strains, especially our No. 1, are heavy sellers with us and we personally check all the seed stock.

## \*Ball Dwarf Giant No. 1

See front cover color photo. The most uniformly dwarf Giant flowered strain available producing 85 to 90% extra large-flowered, dwarf and compact plants—ideally suited to spring pot plant work. Color mixture predominates in rich dark shades with a sprinkling of lighter rose, lilac and pink shades. Our sales of this famous strain have increased every year since its introduction in 1934 and we are happy to be able to announce an ample supply with which to fill all orders this season. A January sowing will flower our No. 1 strain easily for Mother's Day. For flat sales, sow latter part of February.  $\frac{1}{2}$  tr. pkt. 75c; tr. pkt. \$1.25;  $\frac{1}{64}$  oz. \$2.25;  $\frac{1}{32}$  oz. \$4.00;  $\frac{1}{16}$  oz. \$7.00.

**California Giants Mixture No. 5.** A very complete and attractive mixture of colors in the tall Giant class. Very free flowering and fine for outdoor bedding. Tr. pkt. 75c;  $\frac{1}{64}$  oz. \$1.25;  $\frac{1}{32}$  oz. \$2.25.

**Dwarf Giants No. 6.** Eriksson Strain. We furnish only the originator's seed of this well known strain. Tr. pkt. \$1.25;  $\frac{1}{32}$  oz. \$4.00.

**California Giants—Supreme Florists' Strain.** A mixture of tall Giants, predominating in pink, rose and salmon shades. Tr. pkt. 75c;  $\frac{1}{64}$  oz. \$1.50;  $\frac{1}{32}$  oz. \$2.50;  $\frac{1}{16}$  oz. \$4.50.

## Separate Color Varieties

\***Copper Red Dark.** A very attractive deep coppery crimson.

**German Empress.** Bluish white with dark purple veined throat; a very rich and striking color combination.

**Prince of Wuertemberg.** Deep magenta rose with darker throat.

**Princess of Wuertemberg.** Light rose pink with veined throat. An attractive color.

**Rheingold.** Large clear white with yellow throat.

**Robin Hood.** Deep magenta rose with darker throat.

\***Salmon Beauty.** (Marilyn) Bright salmon pink. A very attractive pastel shade in Petunias. Reproduces practically 100% true to color and 60 to 70% large-flowered.

**Silvery Rose.** A silvery rose pink shading lighter toward throat.

**PRICES on all above separate-color Giant varieties.** Tr. pkt., 75c;  $\frac{1}{64}$  oz., \$1.25;  $\frac{1}{32}$  oz., \$2.25.

## \*Ball Dwarf Giant No. 2

Ramona Strain. Produces 65 to 70% large California Giant flowers on dwarf and compact plants. Of a more vigorous growth than our No. 1 strain and therefore more suitable for outdoor bedding work. We recommend, and our recommendation is based on demand from our larger plant-selling customers, that our No. 2 Ramona Strain, because of its more vigorous growth, be used where plants are to be sold for outdoor bedding work. No. 2 strain is much freer flowering under outdoor summer conditions.  $\frac{1}{2}$  tr. pkt. 60c; tr. pkt. \$1.00;  $\frac{1}{64}$  oz. \$1.75;  $\frac{1}{32}$  oz. \$2.75;  $\frac{1}{16}$  oz. \$5.00.

**California Giants No. 3.** Medium dwarf, combining a fairly dwarf habit with a strong, vigorous growth. Tr. pkt. 75c;  $\frac{1}{64}$  oz. \$1.50;  $\frac{1}{32}$  oz. \$2.50;  $\frac{1}{16}$  oz. \$4.50.

*Ball Dwarf Giants No. 1. Most uniformly large-flowered dwarf strain of this valuable pot plant class of Petunias.*



## FRINGED GRANDIFLORA PETUNIAS

Medium size flowers freely produced with distinctly compact growth describes the habit of this valuable class. While they are popular as pot plants, nearly all varieties have enough vigor to do well when used for bedding. The Grandifloras are divided into three classes: (1) The extra dwarf fringed known as the Dwarf Erfurt class; (2) the regular fringed Grandiflora class and (3) the ruffled class.



*Petunia Grandiflora Fringed Lace Veil. An extra dwarf free-flowering fringed pure white.*

**\*Dwarf Erfurt Mixture.** A formula mixture of above varieties consisting mostly of Lace Veil and Setting Sun with smaller amounts of all other varieties. We make up this mixture ourselves. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.25;  $\frac{1}{2}$  oz., \$2.00.

### The Dwarf Erfurts

An extra dwarf uniform, fringed group of Grandifloras. Of outstanding value for pot plant use and under favorable soil and moisture conditions, they are choice for bedding.

**\*Setting Sun.** One of the original and best of the Dwarf Erfurts. Brilliant deep rose color and heavily fringed flower. Particularly fine, compact habit for pot plant work. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.50.

**\*Lace Veil.** Practically identical to Setting Sun except flowers are clear white. A first class pot plant variety—extra compact and dwarf growth and heavily fringed flowers. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.50.

**Ball Silver Lilac.** An original color in this dwarf class. Flowers are a clear light lilac that is at its best under spring greenhouse conditions. A very excellent Dwarf Erfurt habit. Trade pkts. only, \$1.00 each.

**Ball Violet Blue.** Combines an ideal Dwarf Erfurt habit with the famous Elk's Pride purple color. A very free and early flowering variety that fills the long-needed bright purple in this fine pot plant class. Trade pkts. only, \$1.00 each.

**Colorado Sunset.** Color averages some lighter than Setting Sun—shades of pink and rose. Fine dwarf habit. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.50.

**Gaiety.** Attractive combination of rose pink with irregular white markings. Typical Dwarf Erfurt habit. Tr. pkt., 50c.

**Gottfried Michaelis.** Amaranth red color. Rather heavy color for most demands. Fine compact growth. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.30.

**Pepita.** Irregularly marked carmine and white. Dwarf and attractively fringed. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.25.

### Other Fringed Varieties

**\*Columbia.** Growth distinctly base-branching and upright in habit. Should attain a bushy habit and height of 24 to 30 in. out-doors or 10 to 12 in. if grown in pots. Should be supported when grown out-doors to prevent being blown over by wind. Flowers an attractive combination of deep rose with irregular white markings. Very bright, attractive color and interesting hedge-like growth. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.75.

**Dainty Lady.** Comes practically 100% true to its yellowish cream color. A good variety where this color is wanted. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.75.

**\*Golden Jubilee.** A most attractive bright carmine rose with golden throat and heavily fringed form. Uniformly dwarf with very few color rogues. Doesn't stand out hot, Mid-western summers out-doors well because of a rather weak growth but very fine used as a spring pot plant. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.50;  $\frac{1}{2}$  oz., \$2.75.

**Miranda.** Deep carmine scarlet with darker veined throat. Dwarf habit. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.25.

**Pink Triumph.** One of the best standard clear rose pinks. Tr. pkt., 50c;  $\frac{1}{2}$  oz., \$1.25.

**Pride of Portland.** Very similar to Pink Triumph but some lighter in color. Tr. pkt., 50c;  $\frac{1}{2}$  oz., \$1.25.

**Rapture.** Pleasing rose pink shaded carmine toward center with yellow throat. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.00.

**Romany Lass.** Heavily fringed deep crimson rose. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.25;  $\frac{1}{2}$  oz., \$2.00.

**\*Royal Purple (Marine).** Rich deep velvety purple. Fairly dwarf growth and fine purple color has made Royal Purple one of our biggest selling varieties in the fringed class. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.40;  $\frac{1}{2}$  oz., \$2.50.

**\*Theodosia.** Well known rose pink with large golden-yellow throat. Beautifully fringed. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.00;  $\frac{1}{2}$  oz., \$1.75.

**White Beauty.** Clear white finely fringed flowers. Of a vigorous growth that adapts it well to out-door bedding. Tr. pkt., 50c;  $\frac{1}{4}$  oz., 75c;  $\frac{1}{2}$  oz., \$1.25.

**Fluffy Ruffles.** Also varies considerably from its heavily fringed flower type. Fluffy Ruffles is in other respects, an attractive fringed mixture. Bright colors and a strong grower, making it suitable for out-door bedding work. Tr. pkt., 50c;  $\frac{1}{2}$  oz., \$1.25;  $\frac{3}{8}$  oz., \$3.75.

**Ball Single Fringed Mixture.** Strong growing, extra free flowering fringed mixture. Tr. pkt., 50c;  $\frac{1}{2}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$5.00.

**Formula Mixture.** A high class mixture made up of the best varieties in the Fringed class. Tr. pkt., 50c;  $\frac{1}{2}$  oz., \$1.25;  $\frac{1}{16}$  oz., \$2.25;  $\frac{1}{4}$  oz., \$7.50.

## PETUNIAS—Continued

### Ruffled Grandifloras

Of greater size and more vigorous growth than other Grandiflora varieties. For this reason the Ruffled Grandifloras are especially well suited to bedding as well as pot plants.

#### \*Elk's Pride Dwarf

Altho not an extra dwarf variety, this strain is considerably dwarfier than the original Elk's Pride. Heads our list of best sellers in this Ruffled class because of its fine violet-purple color, free flowering habit and vigorous growth that combine to make it a first class out-door bedding variety. Ours is a very uniform strain and we unhesitatingly recommend it for a large-flowered purple Petunia. Tr. pkt., 50c;  $\frac{1}{64}$  oz., \$1.00;  $\frac{1}{32}$  oz., \$1.75;  $\frac{1}{16}$  oz., \$3.25.

#### \*White Queen

A distinctly dwarf and compact growing variety producing large, ruffled pure white flowers. Its compact growth makes it a fine pot plant variety; fine also for outdoor bedding with a vigorous and free flowering growth that produces a continuous show of large white flowers thruout the summer. We unhesitatingly recommend White Queen to any florist selling spring bedding plants who has trade calling for a larger-flowered and finer white bedding Petunia than the smaller flowered Dwarf Hybrida white varieties. Its vigorous growth produces flowers continuously even in more difficult climates. The finest all-around white Petunia we know of. Tr. pkt., 75c;  $\frac{1}{64}$  oz., \$1.75;  $\frac{1}{32}$  oz., \$3.00;  $\frac{1}{16}$  oz., \$5.00.

#### \*White Cloud

An effective all-purpose dwarf white with nicely ruffled flowers. Particularly well-liked for pot work because of compact growth. Very similar to Snowstorm and White Queen but not quite as large flowered. Tr. pkt., 50c;  $\frac{1}{64}$  oz., \$1.00;  $\frac{1}{32}$  oz., \$1.75;  $\frac{1}{16}$  oz., \$3.00.



*Showing our White Queen Petunia as a pot plant specimen.  
Notice its compact growth and free flowering.*

#### \*Snowstorm

A fine, large flowered, compact growing pure white. Very similar to White Queen. One of our finest all-purpose white Petunias. Tr. pkt., 75c;  $\frac{1}{64}$  oz., \$1.75;  $\frac{1}{32}$  oz., \$3.00.

#### \*Ruffled Velvet

A true Flaming Velvet or Black Prince color with a large, ruffled Grandiflora Flower. Fairly compact growth. An attractive variety. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.35.

**Brilliant Rose.** Bright deep rose. Varies from true large flowered type. Tr. pkt., 50c;  $\frac{1}{64}$  oz., \$1.00.

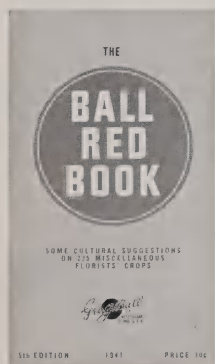
**Burgundy.** Heavy Burgundy or dark wine red with large contrasting white throat. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.25.

**Dwarf Carmine Glory.** Dwarf habit with strong attractive carmine rose color. Varies to smaller-flowered types. Tr. pkt., 50c;  $\frac{1}{64}$  oz., \$1.00.

**Dwarf Pink Glory.** Large flowered bright carmine rose. True type is outstanding for color and form. One-fourth to one-third small or off types however. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.65.

**Giant Steel Blue.** Light bluish white with dark veins. Varies considerably. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.25.

**\*Ruffled Grandiflora Mixture.** A formula mixture of the finest varieties in the Ruffled class mixed in our own warehouse. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.35;  $\frac{1}{16}$  oz., \$2.50.



### BALL RED BOOK—

#### 5th Edition

By Geo. J. Ball

Exactly 50 yrs. growing experience with miscellaneous crops is gathered into this paper bound booklet. Two hundred and twenty-five subjects are treated in this new edition. We gladly mail it to our customers for the cost of printing and mailing which is 30c.

## DWARF HYBRIDA—PETUNIAS

The most popular selling class for bedding, being strong enough in growth to show up well under most summer conditions. Because of their dwarf habit, they are sometimes listed as Nana Compacta. This class is used almost exclusively by growers of Petunias in flats, their dwarf habit making them ideal for this purpose. Celestial Rose Imp. is the heaviest selling variety with us.

### BALL TEN-BEST VARIETIES

Three-fourths of our demand for Dwarf Hybrida Petunias is concentrated in this list. Here you will find the finest varieties in every color class. Only varieties and strains that can be depended on to come reasonably true to color and dwarf habit are included. You will do well to confine your Dwarf Hybrida planting largely to these varieties.

#### \*Celestial Rose Improved

Our improved strain is distinctly superior to the original Celestial Rose because of its more dwarf and compact growth, slightly larger flower and deeper color. It is practically 100% true to type and color and we unhesitatingly recommend it as a most excellent pot plant strain. Tr. pkt., 40c;  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.50; 1 oz., \$8.00.

#### \*Celestial Rose

The most popular bedding plant Petunia. Color a rich deep rose with an ideal bushy habit for pot plant work. Tr. pkt., 35c;  $\frac{1}{8}$  oz., 75c;  $\frac{1}{4}$  oz., \$1.25; 1 oz., \$4.00; 2 oz., \$7.00.

#### \*Fair Lady

Altho more upright growing than Celestial Rose, the habit of Fair Lady is very compact and well suited to pot plant work. Growth stands up well under outdoor conditions. Color a clear silvery pink—a lighter and softer pastel shade than Celestial Rose. A fine color under spring greenhouse conditions and holds up well under outdoor sun. A fine large flowered variety where this silvery pink color is useful. Tr. pkt., 35c;  $\frac{1}{16}$  oz., \$1.25;  $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.75; 1 oz. \$12.00.

#### \*King Henry

Combines the popular Black Prince color—a deep velvety crimson, with an extra dwarf and compact growth. Almost too restricted for outdoor bedding work but ideal for spring pot plants. For outdoor bedding we recommend Velvet Ball. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.25;  $\frac{1}{16}$  oz. \$2.25;  $\frac{1}{8}$  oz., \$4.00.

#### \*Admiral

Our finest extra compact blue Petunia. Habit very dwarf and compact—fine for pot plant work and amply strong growing for outdoor bedding. Flowers are large and attractively ruffled. Color a medium violet-blue between the lighter Heavenly Blue and the deeper purple of Violaacea and Blue Ball. Altho 10 to 20% are smaller flowered types, Admiral comes practically 100% true to color. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.50;  $\frac{1}{16}$  oz., \$2.50;  $\frac{1}{8}$  oz., \$4.50.



*Its brilliant deep carmine rose color has made Glow an outstanding bedding Petunia.*

#### Glow

A very intense glowing carmine scarlet. Habit not sufficiently compact for first class pot plant work but good for bedding. Outstanding for its brilliant color. Tr. pkt., 35c;  $\frac{1}{16}$  oz., \$1.25;  $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.75; 1 oz., \$12.00.

#### \*Topaz Queen

Color very similar to Glow—a brilliant scarlet or carmine rose. Habit not of the extra dwarf Celestial Rose type but quite satisfactory for pot plant work. The finest variety in this brilliant color class. Particularly large flowered. Tr. pkt., 35c;  $\frac{1}{8}$  oz., \$1.25;  $\frac{1}{4}$  oz. \$2.00; 1 oz. \$7.00.

#### \*Heavenly Blue

Medium to light silvery blue. Habit quite dwarf and compact but vigorous enough to make it a first class bedding variety. The standard and best in the medium to light blue color class. Tr. pkt., 50c;  $\frac{1}{8}$  oz., 90c;  $\frac{1}{4}$  oz., \$1.50; 1 oz., \$4.75.

#### \*Velvet Ball

Combines the deep velvety crimson color of Black Prince with a more compact growth that makes this color available in the Dwarf Hybrida class. A fine free flowering strain and a first class bedding variety. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.25;  $\frac{1}{16}$  oz., \$2.35.

#### Snow Queen

Our finest pure white dwarf bedding Petunia. Altho taller growing than some of the above extra dwarf varieties, its compact habit fits quite well into pot plant work. At its best outdoors where its free flowering and strong growth make it an excellent bedding variety. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75.

## DWARF HYBRIDA PETUNIAS—Continued

\***Alderman.** Medium violet-blue. Medium dwarf; a fine bedding variety. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Blue Bedder.** Color perhaps some lighter than above, but very similar. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

\***Blue Bird.** Another medium violet-blue. A good bedding variety. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Brilliant Rose Gem.** Well-rounded, extra compact growth. Deep rose. Too weak for our mid-western summers, but fine for pots. Tr. pkt., 35c; ½ oz., \$1.00.

**Cockatoo.** Violet-blue, irregularly marked white. Of dwarf and compact growth. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75.

**Cream Star.** A soft creamy white and freely produced. Plants very compact. Practically 100% true to color and habit. Tr. pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.25.

**Little Blue Star.** Very similar to Norma in color—lavender purple with white star. Dwarf and compact growth. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

\***Norma.** A lavender-purple with white star in each flower. Habit quite dwarf and compact for either pots or outdoor bedding. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

\***Rose of Heaven.** A well known standard rose pink for bedding. Differs from Celestial Rose primarily in being not quite so uniform in growth and color. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

**Rose Queen Imp.** Very similar to above. Uniformly compact deep rose. Tr. pkt., 50c; ½ oz., 90c; ¼ oz., \$1.50; 1 oz., \$4.75.

**Rosy Morn.** Standard rose pink with large white throat. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

**Royal Gem.** Extra dwarf Burgundy crimson with light throat. Very restricted, compact growth that does better in pots than outdoors. Tr. pkt., 50c; ½ oz., \$1.00.

\***Salmon Supreme.** An attractive salmon rose shade—a color that combines well with the pastel shade of Heavenly Blue. Habit uniformly dwarf and compact; quite free flowering and showy outdoors. Practically 100% true to color and habit. Tr. pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.00.

**Sunrise.** Compact spreading type of growth with medium rose lightly fringed flowers. Tr. pkt., 75c; ½ oz., \$1.50.

\***Twinkles.** Medium rose pink with white star in each flower. A very attractive color combination. Growth very dwarf and compact; good for either pots or outdoor bedding. Approximately 80% true. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

\***White Perfection.** A very excellent dwarf and compact pure white. A little restricted in growth for our severe mid-Western summers but fine for pots. Practically 100% true. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

**Violacea.** Fairly dwarf deep purple. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Violet Blue.** Altho not quite strong enough for our mid-Western summers outdoors, Violet Blue is a fine pot plant variety. Good dwarf and compact growth. Color a deep violet-purple. Tr. pkt., 50c; ½ oz., 90c; ¼ oz., \$1.50; 1 oz., \$4.75.

**Violet Gem.** Belongs to the extra dwarf, compact and restricted growing Gem class that is too weak for outdoor work where summer temperatures reach the 90's and 100's. Make very excellent pot plants, however. Color a deep violet-purple. Tr. pkt., 50c; ½ oz., \$1.50.

\***Dwarf Hybrida Formula Mixture.** A formula mixture made up from the above varieties and mixed for an attractive and complete mixture of salable colors and varieties. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

### Dwarf Hybrida Ruffled Type

**Betsy Ross.** Of an extra dwarf habit, plants outdoors reaching a height of 6 to 8 in. and for this reason, doesn't flower much under our outdoor conditions. Color a deep crimson red with irregular white markings and attractively marked throats. Flowers attractively ruffled and about 2½ in. across. A fine pot plant variety. Tr. pkt., 75c; ½ oz., \$1.75; ¼ oz., \$3.00.

**General Washington.** Same as above, but color a deep amaranth red with darker throat. Tr. pkt., 75c; ½ oz., \$1.50.

**Martha Washington.** Same as Betsy Ross except in color which is a bluish pink with attractively veined throat. Tr. pkt., 50c; ½ oz., \$1.50; ¼ oz., \$2.75.

## The Balconies

Because of their extra vigorous habit and fairly large flowers, this class is used to advantage for bedding where conditions are trying. Their tall habit is not particularly objectionable because of their tendency to sprawl or lay over as growth progresses. Also, because of this tendency, the Balconies are much used in baskets or porch boxes.

\***Black Prince.** Rich velvety crimson-red with true Balcony habit. Comes practically 100% true to color. The finest variety where this color can be used. Tr. pkt., 35c; ½ oz., 60c; ¼ oz., \$1.00; 1 oz., \$1.75; 1 oz., \$6.00.

**Carmine King.** Rich coppery rose with dark throat. Of medium dwarf habit. Tr. pkt., 35c; ½ oz., \$1.25.

\***Royal Purple.** Bright violet purple with typical Balcony habit. Comes quite true. Tr. pkt., 25c; ½ oz., 85c; ¼ oz., \$1.50; 1 oz., \$4.50.

**Venosa.** Lilac rose with dark throat. Fairly dwarf habit. Effective for bedding where this color can be used. Tr. pkt., 25c; ½ oz., \$1.00; 1 oz., \$3.50.

\***Blue.** A medium violet-blue. Tr. pkt., 35c; ½ oz., 85c; ¼ oz., \$1.60.

**Cornflower Blue.** A medium violet blue with typical Balcony habit. Tr. pkt., 35c; ½ oz., 80c; ¼ oz., \$1.50.

**White** **Crimson** **Rose** **Mixture**  
Prices on EACH above: Tr. pkt., 25c; ½ oz., 85c; 1 oz., \$2.90.

## Regular or Tall Hybrids

This class is of vigorous growth and for this reason is best suited to outdoor bedding where summers are most trying. While they aren't dwarf, the tendency of the growth to be blown over, leaves them with as much dwarf effect as is had with some of the varieties listed under the Dwarf Hybrida type.

**General Dodds.** An amaranth or deep rose. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**Hollywood Star.** Attractive rose pink; flowers distinctly star-shaped. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

\***Howard's Star Imp.** Medium tall velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.00.

**Lord Courtenay** (Golden Rose). Deep rose with golden throat. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

**Radiance.** Brilliant deep scarlet or carmine rose. About same color as Topaz Queen. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.00.

**Topaz Rose.** Very similar to above in color and growth. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

**White.** A clear white in the tall growing class. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

**Exquisite Mixture.** Formula mixture finer large-flowered varieties predominating. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

### Diener's Varieties

We supply originator's packets only on the following varieties:

No. 2—**Ruffled Monster Flesh-Pink.** Deep center. Tr. pkt. 50c.

No. 5—**Ruffled Monster Red.** Tr. pkt., 50c.

No. 8—**Ruffled Monsters Mixed.** Tr. pkt., 50c; ¼ oz., \$2.50.

No. 11—**Blue.** Semi-dwarf violet blue. Tr. pkt., 25c; ¼ oz., \$1.50.

No. 19—**Giant Pink Glory.** Tr. pkt., 50c; ¼ oz., \$2.50.

No. 22—**Rose Color.** Tr. pkt., 25c.

No. 47—**Jumbo Mixture.** A mixture of Giant types. Tr. pkt., \$1.00.

# ASTERS

## BALL TWELVE BEST

THIS LIST is based on our experience with them and the demand from all sections. Dates given are for flowering in our latitude and will vary. All are equally valuable under cloth or in the open. Photo below of a California Aster planting for seed shows the extent of the industry that supplies your needs.



\***Ball Deep Rose.** The most popular variety on our list for the past several years. Attractive shade of bright deep rose. Flower incurved, suiting it well to long-distance shipping and handling. Medium size. Extra long, non-lateral stems. Aug. 25 to Sept. 5.

\***Ball White Early.** A very fine white Aster flowering with the Royals—Sept. 5 to 10. Flowers fully double, very few showing centers even when fully open. Highly resistant. Our finest white for early September cutting.

**Ball Deep Purple.** Unfortunately, our seed crop of this big-selling variety has been a complete failure the past season. All orders will be filled unless you request to the contrary, with a special strain of American Branching Purple that carries the same long, non-lateral stems and vigorous growth as does Ball Purple and of course with the same bright violet-purple color.

\***Ball White Late.** Typically American Branching in flower type and habit. Long-stemmed and large full-petalled flowers, it follows our Ball White Early quite closely in flowering season. Generally accepted as the best mid-season white variety. Sept. 10 to 15.

\***Royal Shell Pink.** Bright shade of pastel or shell pink; very nearly that of the old favorite, Sempile Pink. Flowers are typically incurved and extra large. Stems strong and of medium length. Sept. 1 to 5.

**Early Giant Light Blue.** A very attractive early flowering, wilt-resistant California Giant type. Color is the popular clear azure or light blue. Extra large, full petalled flowers of the shaggy or California Giant type. Stems of medium length, extra strong and non-lateral. Sept. 15 to 20. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.50.

\***Royal Azure Blue.** A very excellent long-stemmed Royal variety. Color a clear light or azure blue that

is so important in Asters. A first class commercial cut flower variety. Sept. 5 to 10.

\***Branching Azure Blue.** Same as above but somewhat longer-stemmed and, being an American Branching variety, a week or two later in flowering. Sept. 15 to 20.

\***Heart of France.** Our finest, in fact the only commercially good "red" Aster for cut-flower work. Color a scarlet-crimson, long-stemmed and with medium sized flowers. Sept. 10 to 15.

\***Beauty Silvery Rose.** A particularly pleasing light rose or Phlox Pink color deepening as the flower matures makes this variety valuable. Of an early Beauty type—long-stemmed and a strong grower. A first class commercial cut-flower Aster. Sept. 20 to 25.

\***Early Giant Rose Marie.** Of the same early California Giant type as Light Blue described above—strong growing, medium length, non-lateral stems. Color a bright deep rose. Where this "shaggy" type flower can be used, we recommend Rose Marie highly for its fine flower and stem. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 85c; 1 oz., \$3.00.

\***Aurora Golden Sheaf.** Of the fully double Anemone type that is increasing in popularity recently because its hard flowers stand rough handling and long-distance shipping. Flowers are large, creamy white with deeper yellow cushion. A valuable wholesale market variety.

\***12 Best Mixture.** A formula mixture made up by ourselves of the above varieties in proportion to their commercial value. A very excellent and high-class mixture.

**Prices** on all the above "12 Best" Rot-resistant Aster varieties except as noted are as follows: Tr. pkt., 30c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75; 4 oz., \$6.00.

# BALL WILT-RESISTANT ASTERS

**PRICES on all following varieties except as otherwise noted:**  
Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75.

**QUEEN OF THE MARKET.** The popular early flowering class, rather short-stemmed and small flowered as compared to the later varieties but the finest class for flowering during early August.

\***Azure Blue.** A fine commercial color and variety for early.

\***Deep Rose.** Of the popular Ball Deep Rose color.

\***White.** A fine clear white.

**Crimson.** A rather heavy color.

**Dark Blue.** Rather deep violet-purple.

**Flesh Pink.** Shell or Semple Pink color.

**Mid Blue.** Between the popular Azure Blue and Dark Blue.

**Scarlet.** Not a good commercial color.

**ROYAL.** Altho the finest Royal varieties are in our "12 Best" list, the following three are first class commercial kinds. Aug. 25 to Sept. 5.

\***Ball Phlox Pink.** Of Royal flowering time and growth. Color a light rose pink deepening as flowers mature. A fine long-stemmed variety.

**Purple.** Violet purple. In the absence of Ball Deep Purple, this Royal Purple will make a very satisfactory substitute.

**White.** A fine white variety but we prefer Ball White Early.

**AMERICAN BRANCHING.** Probably the most valuable type for the commercial grower. Long-stemmed, large flowered and mid-season (Sept. 10 to 20) in flowering.

\***Deep Rose.** A fine large-flowered and long-stemmed variety.

\***Purple.** Rich violet-purple. Long-stemmed.

\***Rosalie.** An outstanding variety because of a bright, mid-shade of deep rose and fully double flower type.

**Semple Pink.** The standard shell pink.

\***White.** A fine cut-flower mid-season white.

**AMERICAN BEAUTY.** A fine, particularly long and non-lateral stemmed type for late cutting. Most varieties flower end of Sept. The fine American Beauty Silvery Rose will be found in our "12 Best" list.

\***Azure Fairy.** A fine late-flowering fairly deep azure blue. Long-stemmed.

**Crimson.** Similar in color to Heart of France.

**Deep Rose.** A good commercial color.

\***Purple Prince.** A fine purple variety in this late class.

**Purple.**

**Shell Pink.** (September Beauty) Delicate light pink.

\***White.** An excellent, long-stemmed strain.

\***King Rose.** (Special florist strain.) The quilled-petal type grown by Pacific Coast growers. Branching habit; deep rose color.

**THE SHAGGY TYPE** including the Comets, Cregos, Ostrich Feathers and Early Giants.

**Early Giant Peach Blossom.** A large flowered and early flowering wilt-resistant Calif. Giant type. Color a light or shell pink. Sept. 15 to 20th. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

**California Giant Dark Purple.** Deep Violet Blue. Sept. 25 to Oct. 1. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

**Comet Cattleya.** Orchid-lavender. Early Sept.

**Comet Light Blue.** Azure blue. Early Sept.

**Comet Rose.** Color a desirable deep rose. Early Sept.

**Comet Salmon Queen.** Delicate salmon pink. Early Sept.

\***Crego Azure Blue.** A fine large-flowered, long-stemmed strain. Sept. 10 to 15.

\***Crego Blue Flame.** A fine deep, bright blue. Sept. 5 to 10.

\***Crego Deep Rose.** Large flowered and long-stemmed. Sept. 10 to 15.

\***Crego Orchid.** Pleasing orchid-lavender. Sept. 5 to 10.

**Crego Peach Blossom.** Light rose deepening as flowers open. Sept. 10 to 15.

**Crego Shell Pink.** Light pink. Sept. 10 to 15.

\***Crego White.** A fine pure white, large flowered. Sept. 5 to 10.

**Ostrich Feather Peach Blossom.** Light rose deepening as flowers open. Quite similar to Cregos in type. Sept. 10 to 15.

**ANEMONE OR CRESTED.** The following varieties have crested or tubular-petalled, anemone centers that adapt them well to shipping work.

\***Princess Marsha.** (Wilt-resistant) Rich cinnabar-scarlet.

\***Giant Harmony Moonlight.** (not wilt-resistant) Deep blue; of good cut-flower habit.

\***Giant Harmony Mixture.** A complete mixture of colors in this crested-center type. A very unusual and attractive strain.

**SINGLE VARIETIES.** A highly wilt-resistant, long-stemmed cut flower type developed by ourselves. Flowers are of medium size (2 to 4 in.) and entirely single, each with a yellow center.

\***Deep Rose.** Strong deep rose color.

\***Violet.** (new) Outer petals are a deep violet-purple with brightly contrasting yellow center.

\***Light Blue.** Azure blue.

\***Mixture of the above and other colors in the long-stemmed single class.**

**Prices on above four single aster strains:** tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

## STANDARD RESISTANT MIXTURES

**Queen of the Market Mixture**

**Crego Mixture**

**American Branching Mixture**

**Royal Mixture**

**American Beauty Mixture**

**Prices on above mixtures only:** Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50; 4 oz., \$5.00.

\***All Varieties Mixed.** A complete and attractive mixture for producers who sell large quantities of mixed Aster plants. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35; 1 lb., \$14.00; 4 oz. at lb. rate.

## Non-Resistant Varieties

**CALIFORNIA GIANTS.** (not wilt-resistant) Large "shaggy-petalled" flowers, fully double, flowering in late Sept.

	Tr. pkt.	¼ oz.	1 oz.
* <b>Deep Rose</b> .....	\$0.35	\$0.65	\$2.25
<b>Peach Blossom</b> .....	.35	.65	2.25
* <b>White</b> .....	.35	.65	2.25
<b>Mixed</b> .....	.25	.50	1.75

**GIANT CALIFORNIA SUNSHINE.** (not wilt-resistant) Large flowered anemone type with long outer guard petals. Not a good shipping type.

	Tr. pkt.	¼ oz.	1 oz.
* <b>Lavender</b> .....	\$0.35	\$0.90	\$3.00
<b>Rose</b> .....	.35	.90	3.00
<b>Shell-Pink</b> .....	.35	.90	3.00
<b>White</b> .....	.35	.90	3.00
<b>Mixed</b> .....	.30	.60	2.25

**Super Giant El Monte.** Extra large California Giant type, deep crimson rose. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

**Super Giant Los Angeles.** Same as above but a soft shell pink. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

**ON GROWING FINE ASTERS.** Successfully growing Asters isn't so much a matter of luck as it is providing favorable growing conditions. The principal one is to avoid a check in growth. The checking effect of transplanting is not generally appreciated. Also excess moisture, either atmospheric or at the roots, distinctly encourages rot. This is especially true in the early stages of their growth and is proven by a wet June that almost invariably rots them out. The third important precaution is to avoid using soil for Asters two years in succession. Why some growers get by with the same soil for several seasons we can't explain. In our own experience, entirely fresh soil always gives the best results. Our experience the past season with steam sterilized soil for this crop proves its value conclusively. Also proved that stem rot is in the soil and is destroyed with heat. Cost of steaming soil is ½c to ¾c per sq. ft. of bench surface. Figure out for yourself whether or not it pays.

# FLORISTS' ZINNIAS



The incurved effect of petals and the "Cupped" center characterize the Dahlia Flowered type of Zinnias. We recommend and find them the most popular largely because varieties in this class are very uniform in color and fully double type.

## EVERY RETAIL GROWER CAN MAKE PROFIT FROM ZINNIAS

If sheltered from the trying out-door conditions of summer, Zinnias are grown into attractive cutting material, particularly the Pompons or Lilliputs. Either a cloth or greenhouse can produce flowers that no out-door stock will compete with. Such protection produces longer stems and larger flowers. While they are easily grown on by sowing in the open soon as the soil becomes well warmed, many gardeners will buy well started plants that are as easily produced under glass as any plants can be. Also in our latitude if sown outdoors as late as mid-July, they will flower freely before frost. Zinnias are warm temperature plants. If the seed is sown in cold, wet soil, it will rot.

The development of Zinnias from the small, high-centered singles of 50 years back to the beautiful forms and colors of today has been a real miracle. To maintain the trueness to color of today's stock requires much careful work. Most seed growers do this work well, a few do not. Thru our annual trials of ALL varieties and personal inspection of seed fields, we are able to offer "All the Best—Nothing Else" in florists' Zinnias.

## DAHLIA-FLOWERED CLASS (2500 seeds per ounce)

The center petals of this class tend to incurve, giving the flower a somewhat deeper and fuller effect than the California Giants. While this character isn't a fixed one, it does predominate, making the Dahlia-Flowered the generally preferred class in the large flowered types.

- \***Canary Bird.** A bright, clear canary or light yellow.
- \***Crimson Monarch.** Large-flowered deep crimson red. The deepest red in the Dahlia flowered class.
- \***Dream.** An attractive pastel shade of medium orchid-lavender.
- \***Eldorado.** Salmon-apricot shades. Varies in color.
- \***Exquisite.** Medium rose pink. A fine cut-flower color and variety.
- \***Golden Dawn.** A clear golden yellow—a fine Zinnia color.
- \***Golden State.** A deep orange-yellow. Considerably deeper than Golden Dawn.
- \***Illumination.** A deep magenta-rose.
- \***Meteor.** Rich deep amaranth-red.

**Old Rose.** Shades somewhat in copper and orange shades with rose back-ground.

\***Oriole.** Orange and gold combination. A first class market and cut flower variety.

**Polar Bear.** White.

**Purple Prince.** Large flowered deep orchid-purple.

\***Scarlet Flame.** Well-named—a deep scarlet flame color. Fine variety.

Prices on all above varieties, EACH: Tr. pkt., 25c; 1/4 oz., 35c; 1/2 oz., 60c; 1 oz., \$1.00; 1 lb., \$12.00.

**SPECIAL OFFER:** We furnish a collection consisting of 1 tr. pkt. each of the above 14 varieties for \$2.75. We can also furnish a collection consisting of a tr. pkt. each of any 10 varieties (your choice) for \$2.00.

\***GOLD MEDAL MIXTURE.** Our finest complete mixture of large flowered Zinnias. A formular mixture of the above Dahlia Flowered varieties—not a field-grown mixture. Colors and varieties are blended to make an attractive and complete mixture predominating in the good commercial, cut flower varieties. We cannot recommend our Gold Medal Mixture too highly to those who used mixed large flowered Zinnias, either for cutting or plant sales. Tr. pkt., 25c; 1/4 oz., 35c; 1/2 oz., 60c; 1 oz., \$1.00; 1 lb., \$12.00.

\***INDIAN SUMMER MIXTURE.** An unusual and attractive mixture of the "Indian Summer" shades in both Dahlia-Flowered and Giant Mammoth classes with bright red, yellow and orange shades predominating. Tr. pkt., 25c; 1/4 oz., 35c; 1/2 oz., 60c; 1 oz., \$1.00; 1 lb., \$12.00.

## Miscellaneous Zinnia Types and Varieties

**LILLIPUT OR POMPON.** (4300 seeds per ounce.) Flowers about the size of a large button type of Pompon Mum. The neat size and shape of the flowers make this class effective for summer cut flower work, particularly when stems are lengthened under cloth or greenhouse protection. In the open, they usually get up 12 to 18 in. and are effectively used for bedding.

**BLACK RUBY.** (new) Deep velvety maroon; slightly shorter growing than most other Lilliput varieties. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

*Canary Gem	Pink Gem	*Salmon Gem
*Crimson Gem	Purple Gem	Scarlet Gem
*Golden Gem	Rosebud, Clear	*Valencia. Attractive burnt-orange.
*Lilac Gem, Clear	deep rose-pink.	White Gem
even Lavender		

Formula Mixture of above colors.

Each: Tr. pkt., 15c; ¼ oz., 30c; ½ oz., 50c; 1 oz., 85c; 1 lb., \$9.00. (Combination of varieties to make up pound at lb. rate.)

**Special Offer:** Tr. pkt. of each of the 11 Lilliput varieties for \$1.35.

**GIANT MAMMOTH** (California Giant) (2500 seeds per oz.) Perhaps even larger than the Dahlia-flowered type but with petals imbricated or laid back one over the other.

**Brightness.** Bright, clear rose pink.

**Cherry Queen.** (Cerise Queen) Bright orange-cerise or cherry color.

\***Daffodil Improved.** Bright canary-yellow. A good cut-flower strain.

**Golden Queen.** Intense golden yellow.

**Grenadier.** Deep crimson red.

**Lavender Queen.** Medium rosy-lavender.

\***Miss Willmott.** Soft rose-pink. A very attractive pastel shade.

\***Orange King.** A brilliant orange scarlet.

**Pink Profusion.** Shades of soft, pastel pink.

\***Purity.** Our best large-flowered white Zinnia.

**Rose Queen.** Deep rose.

**Scarlet Queen.** Glowing bright scarlet.

**Violet Queen.** Deep violet-purple.

Mixture of all Giant Mammoth varieties blended from separate colors.

**Prices** On each above varieties and mixture. Tr. pkt., 25c; ¼ oz., 35c; ½ oz., 60c; 1 oz. \$1.00; 1 lb., \$11.00.

**Special Offer.** We offer one trade packet each of the above 13 varieties for \$2.55.

**PUMILA TYPE.** Midway in size between the Giants and Lilliputs. Very nice for cutting or bedding.

**Canary-Yellow**

**Fire Ball**

EACH: Tr. pkt., 15c; 1 oz., 60c.

Mixture of all colors in this class: Tr. pkt., 15c; 1 oz., 50c.

**FANTASY TYPE.** Interestingly curled and interlaced petals combined with good stem and flower size, give this class increasing popularity for cutting. All varieties come quite true to color.

\***Rosalie.** Bright rose. A good cut flower color.

**Orange Lady.** Deep bright orange.

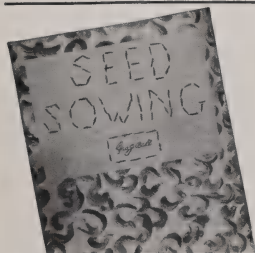
\***Star Dust.** Golden yellow.

\***Wildfire.** Brilliant scarlet.

### SEED SOWING

By Geo. J. Ball and Geo. Jr.

All practical phases of this popular subject are fully gone over in this booklet. Added to it is a complete table giving the number of seeds per given weight, time and temperature required for germination and longevity of 400 varieties of Florist Flower Seeds. Sent gratis with any order.



**FANTASY MIXED.** A complete formula mixture of all available colors in this class.

Each of Fantasy varieties and Mixture: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### Miscellaneous Varieties

**Colossal or New Giants Mixed.** Tr. pkt., 15c; 1 oz., 60c.

**Giant Crested.** (Howard & Smith.) Our trial of this new anemone type did not come up to our expectations; we recommend it for growing only where conditions are such as to bring out its true crested type. Tr. pkt., 25c; ¼ oz., 75c; 1 oz. \$2.50.

**Gracillima.** (Red Riding Hood) Bright crimson, small and free flowering. Fine for bedding. Tr. pkt., 15c; 1 oz., 60c.

\***Haageana Double Hybrids.** Very compact growing; literally covered with small mahogany flowers attractively variegated gold and orange. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**Scabious-Flowered.** An anemone flowered type with crested center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Gaillardia-Flowered or Navajo.** Medium sized flowers in attractive two-tone combination of rose, bronze, yellow and orange. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

**Cupid Mixture.** Dwarf and extra small flowered type. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

**Linearis.** Compact (6 to 8 in.) with single bright orange flowers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Picotee Delight Salmon Rose.** Attractively shaded light to dark salmon pink. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50.

**Picotee Delight Mixture.** Mixture of colors in this type that is characterized by a two-toned petal effect. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

**Pastel Tints.** (Super Crown O'Gold) Type is a two-tone effect with base of each petal colored a buff or yellow shade. Pastel Tints is a mixture of pastel shades in this type. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

### ZINNIA SEED GERMINATION

Maintaining a constant and sufficiently high (65 to 75 degrees for most seeds) **SOIL TEMPERATURE** (not air temperature) is the purpose of the electric heating cable installation under our germination test-bed. Zinnia seed won't germinate satisfactorily in a soil temperature less than 60 to 65 degrees. Notice the cable is covered with a layer of sand and the flats in which our germination tests are sown are laid on short pieces of lath to avoid injury to the cable. If you have difficulty in germinating seed, consider the installation of an electric cable to keep your soil temperature up where it belongs.



# MARIGOLDS

## FOR CUT FLOWERS

☉ No class of florist crops has been so rapidly bettered the past few years as have Marigolds. In their various forms and habits, they adapt themselves to cutting, pot plants, especially for combinations, and the Dwarf French type are showy for bedding. For any purpose their rich, warm coloring is ever appealing. Nearly all classes are readily flowered indoors in April—May from a January—February sowing—raised beds and Carnation house temperature. For those who object to their pungent odor, the varieties Gold and Crown of Gold are entirely odorless. Most popular of the Giant African strains for cutting is the “All-Double.” In growing any Marigolds under glass they must not be checked especially thru overwatering or low temperature. When this happens, they come to a standstill forcing them into buds without sufficient growth.

### OTHER CUT FLOWER VARIETIES

**Prince of Orange.** Of the quilled-petalled fistulosa type, producing about 60 to 75% fully double, balance semi- and single. Bright orange.

**Lemon Queen Improved.** Same as above but bright lemon yellow.

Prices on above two varieties, EACH: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

**Golden Emblem.** Same as Prince of Orange except color midway between that and Lemon Queen—a bright golden color. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

**Golden Eagle.** A Carnation-flowered type; color a bright gold color, mid-way between Guinea Gold and Yellow Supreme. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.25.

\***Sunset Giants.** An extra large Carnation Flowered strain. Largest flowered Marigold variety we know of. Long-stemmed and

“GOLD” is the name of this new odorless Marigold, both flowers and foliage being entirely odorless. Color, deep golden orange, valuable for cutting, especially indoors. Photo was taken in May from a January 29th sowing.



### THE BALL BIG SIX!

Following six varieties constitute the finest standard Marigold varieties for cut flower work. They are long-stemmed; the variety Gold is odorless. Unless you have special reason to order other varieties, we would suggest that your Marigold cut flower planting come mainly from this list.

\***All Double Orange.** Of the large-flowered *Fistulosa* or solidly double, quilled-petal type. Produces 85 to 90% double flowers, the balance being semi-double; practically no singles. Long-stemmed and an excellent cut flower strain. Used considerably for close-planting, single-stemmed culture for a spring greenhouse crop.

\***All-Double Lemon.** Same fine strain as above but flowers a lemon yellow.

\***All-Double Mixture.** Identical to All Double Orange except a mixture of orange, lemon and intermediate shades.

\***Guinea Gold.** Of the Carnation-flowered type—loosely petalled flowers, 3 to 4 in. in diameter. Color a deep golden orange. Long-stemmed for cutting and very free flowering.

\***Yellow Supreme.** Bright lemon yellow, Carnation-flowered type. Not quite as long-stemmed as Guinea Gold but sufficiently long for greenhouse cut flower work.

\***Gold Improved.** An improved strain of this popular odorless variety. Improves its predecessor with large flowers and longer stems. Color a bright golden orange. An excellent greenhouse forcing variety.

Prices on above six varieties, EACH: Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.40; 4 oz., \$4.50.

a vigorous grower. Comes around 65 to 75% true to the large-flowered type. Colors range from lemon to deep orange. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

**Orange Sunset.** A bright orange selection from above. A first class cut-flower variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**American Beauty Orange.** (*Chrysanthemum*-flowered) Large incurved or Mum-type flower. Later flowering than most other cut flower Marigold varieties. Color a bright orange.

**American Beauty Yellow.** Same as above but a clear yellow.

Prices on above two varieties, EACH: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**American Beauty Mixed.** A mixture of colors in the *Chrysanthemum*-flowered type. Price: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Golden Crown.** Growth somewhat more dwarf than above varieties—used some for bedding and hedge effects. Flowers of the loose-petalled Carnation-flowered type, a rich golden yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

**Golden Queen.** Of a dwarf and restricted growth—doesn't make much of a show under our hot, mid-summer conditions. Color a bright golden yellow—Carnation-flowered type. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**Sunrise.** An early-flowering Dixie Sunshine. Rather short-stemmed. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**Crown of Gold.** A small, crested Mum flower with row of guard petals. Golden yellow; rather weak growing where summers are at all trying. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

**WINTER FLOWERING.** This class should be sown only in the late Summer or Fall for winter-flowering. They are “short-day” varieties that will not flower during Summer months.

**Australian Tree.** Double golden yellow with mahogany guard petals. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

**Lieb's.** Similar to above. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Lieb's Winter Sunshine.** Similar to Australian Tree but larger flowered solid yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

# ... AND FOR POT PLANTS

☉ Bright, positive colors and compact growth make Marigolds widely-used and popular for spring pot plants and combinations. Seed can be sown in Jan. and Feb. for early spring flowering and correspondingly later for Mother's and Decoration Day. For flat trade the Dwarf French Marigolds sell best when in flower which they will easily do from a March 1st sowing. Take advantage of the featured varieties on this page to be certain your planting contains "All the Best—."

## OTHER DWARF VARIETIES

\***Harmony.** The standard early flowering double French Marigold. Attractive scabious-like flowers with maroon red outer guard petals. Dwarf, early and free flowering. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c; 4 oz., \$2.75.

**Golden Harmony.** A bright golden yellow dwarf French Double variety very similar to Harmony. A fine variety altho we preferred the new Melody in our trials the past season. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Harmony Hybrids.** Altho not at all the uniformly dwarf and early-flowering strain as Harmony, Harmony Hybrids is an attractive mixture of colors in the dwarf double type. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**Monarch Golden Ball.** 12 in. A dwarf double golden orange. Flowers fully double. Tr. pkt., 15c; 1 oz., 60c.

**Monarch Mixed.** Noted for its fully double rounded flowers. A bright mixture of yellow, orange and mahogany colors. Tr. pkt., 15c; 1 oz., 60c; 4 oz., \$2.00.

**Limelight.** A large-flowered (2 in.) Chrysanthemum-like flower, pale yellow. Plant attains a height of 15 to 20 in. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.35.

**Royal Scot.** (All-Double) Showy, fully double flowers striped gold and mahogany. Quite uniform. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

\***Yellow Pygmy.** 6 to 8 in. A very excellent extra dwarf double lemon yellow Marigold. Very free flowering and comes practically 100% true. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

**Robert Beist.** Deep rich mahogany-red. Dwarf double type. Tr. pkt., 15c; 1 oz., 60c.

**Pallida.** Dwarf double lemon yellow. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

\***Dwarf French Double Mixed.** An exceedingly colorful mixture with a most complete range of colors. Excellent for combinations or borders. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c; 1 lb., \$7.50.

\***Firecross.** Dwarf Single. A light orange with red center. Dwarf and compact growth produces a very nice small flowering plant. Comes practically 100% true to type and color. Tr. pkt., 15c; 1 oz., 50c.

\***Legion of Honor.** Very similar to above but considerably lighter color. A fine dwarf French type. Tr. pkt., 15c; 1 oz., 50c.

**Little Giant.** (Signata Pumila) Not a French Marigold. Quite small single bright orange flowers freely produced on uniformly dwarf, bushy plants. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.15.

**Double Scotch Gold Striped.** 30 in. A tall French Marigold; quite late flowering. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

**Josephine.** Deep rich mahogany. Single. 24 in. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

## THREE FINE NEW ONES!

\***Spry.** (See photo on back cover.) The best description of Spry is to say that it is a dwarf, earlier flowering strain of Harmony. Flowers considerably earlier than Harmony and much freer thruout the season. This earliness makes it the finest variety for spring plant sales since it can easily be brot in flower in small sizes. Its color combination is brighter than that of Harmony—center being a brilliant yellow with dark mahogany guard petals. Comes practically 100% true to type and color.

\***Butterball.** All America Bronze Medal Winner the past season. Another extra dwarf, free and early flowering Dwarf Double French variety. Color a light or butter yellow. These extra early flowering and dwarfer varieties add considerably to the usefulness of the Dwarf French class because they will flower in such small sizes. A first class bedding or pot plant variety. Comes practically 100% true to type and color.

\***Melody.** All America Bronze Medal Winner the past season. Really an improved golden Harmony strain. Flowers with Harmony at about the same height and season. Color a clear and solid golden orange. An excellent companion variety to Harmony—fine for spring pot plant or bedding sales. Comes practically 100% true to color and type.

**Price on above varieties, each:** Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50; 4 oz., \$8.00.

*The dwarf Spry Marigold is made more attractive than the variety Harmony thru its Yellow center being lighter colored—therefore, making a brighter contrast. Choice to flower in 2-2½'s for mid-winter flowering and use in combinations.*



# FORCING SNAPDRAGONS

## For Growing Out-doors.

We find the forcing or early class best for this purpose, especially if the strong growing kinds are used. Not only are they 1 to 2 weeks earlier flowering than most of the late or original class but the colors are much more complete and more uniform. However the original or resistant strains should be used for out-door work where rust prevails for the forcing kinds have little or no resistance to it. For outdoor work in our latitude, we find that a Feb. 1st sowing grown on as cool as possible in 3 to 4 in. pots and planted out in May under cloth will produce excellent flowers by late June and more or less thru the summer. For early Winter flowering under glass, most sowings are made in June. Altho supplies of most kinds appear adequate at this time for next summer's sowing, we suggest placing your order early.



*The vigorous growth of Koester's White combined with its pure white color and well-set spikes, suits it ideally for spring flowering.*

### NOTE—Price Grouping Schedule

Where price is: \$1.00 per pkt., we supply any 3 for \$2.50; any 5 for \$3.50; any 7 for \$4.55; \$1.50 pkts. we supply any 3 for \$4.00; any 5 for \$6.50; \$2.00 pkts. we supply any 3 for \$5.00; any 5 for \$7.50.  
½ pkts. of any variety priced at \$1.00 are supplied for 60c.  
½ pkts. of any variety priced at \$1.50 supplied at \$1.00.  
No ½ pkts. on \$2.00 varieties unless so specified.

## Ball Twelve Best

Not only our own experience, but demand from all sections of our country is consulted in making up this preferred list. It's our recommendation of greenhouse forcing varieties.

- \***Koester's White.** The finest pure white forcing variety. Vigorous grower. Originator's pkts. only, \$2.00.
- \***White Wonder.** Ours is an improved strain of this standard white. Tr. pkt., \$1.00.
- \***Christmas Cheer.** Extra early rose pink. Excellent for Christmas flowering. Originator's pkts. only, \$2.00.
- \***Mary Ellen.** Extra early, long-stemmed clear silver pink. Originator's pkts. only, \$2.00.
- \***Cheviot Maid Reselected.** Our improved strain of this excellent forcing variety. Tr. pkt., \$1.00.
- \***Klondyke Supreme.** A strong growing yellow, especially recommended for spring flowering. Tr. pkt., \$1.50.
- \***Ethel.** A golden yellow and early flowering. Tr. pkt., \$1.50.
- \***Afterglow.** Standard orange bronze. Best for spring flowering. Tr. pkt., \$1.00.
- \***Early Sunlite.** Extra early light bronze. Best when flowered for Christmas. Tr. pkt., \$1.00.
- \***Glorious.** Brilliant reddish bronze. Best when flowered in spring. Tr. pkt., \$1.50.
- \***Velvet Supreme.** Uniformly rich, velvety crimson. Tr. pkt., \$1.00.
- \***Ball Lavender.** Comes practically 100% true to its light, lilac-lavender color. Tr. pkt., \$1.50.
- \***Ball Forcing Mixture.** A formula mixture of above varieties except those furnished in originator's pkts. only. Tr. pkt., \$1.00.

## Standard Varieties

Tr. pkt.

* <b>America.</b> Large flowered deep rose with bronze lip	\$1.50
* <b>Ball Christmas Red.</b> Extra early velvety crimson	1.00
* <b>Ball Early Pink.</b> Extra early flowering pink	1.00
* <b>Bertha Baur.</b> Standard lavender. Originator's packets	1.50
* <b>Better Times.</b> Extra early brilliant cerise	2.00
* <b>Captor.</b> White	1.00
* <b>Celestial.</b> Light yellow	1.00
* <b>Ceylon Court Dark.</b> Yellow	1.00
* <b>Coates' Yellow Perfection.</b> Fine yellow for spring	1.00
* <b>Daybreak.</b> (Rust-proof strain) Light pink	1.00
* <b>Gilbert's Pink.</b> Deep rose pink	1.50
* <b>Ideal.</b> Bicolor bronze and gold	1.50
* <b>Kirkwood Beauty.</b> Bronze orange	1.00
* <b>Lucky Strike.</b> Standard white for spring	1.00
* <b>Marie Louise.</b> Beautiful light shell pink for spring	2.00
* <b>Maiden's Blush.</b> Light pink. ½ pkts., 85c	1.50
* <b>Marion.</b> Popular white	1.50
* <b>Maryland Pink.</b> Early light pastel pink. ½ pkt., \$1.25	2.00
* <b>Miss Wooster.</b> Light golden orange	1.00
* <b>New Cincinnati.</b> A fine light rose pink	1.00
* <b>Peggy Schumann.</b> Fine rose pink	2.00
* <b>Radiance.</b> Large flowered pink	1.00
* <b>Rose Queen.</b> Standard deep rose for spring	1.00
* <b>St. Louis Early Pink.</b> Long-stemmed silvery pink	1.50
* <b>Schumann's Lavender.</b> Long-stemmed; fine for spring	2.00
* <b>Schumann's Yellow</b>	2.00
* <b>Shaffroth's Pink.</b> Fine long-stemmed pink. Color varies	2.00
* <b>Shaffroth's White</b> (no group price allowed)	2.00
* <b>Sunray.</b> Deep yellow	2.00
* <b>Suntan.</b> Early bronze or tan	1.00
* <b>Terry's Surprise Imp.</b> Rose shaded orange	1.00
* <b>Velvet Beauty.</b> Standard crimson	1.00
* <b>Westover's Fringed White.</b> Large pure white for spring	1.00
* <b>White Prosperity.</b> Clear white	1.50
* <b>Windmiller's La France.</b> Fine light pink	1.50
* <b>Windmiller's Lilac.</b> A fine early lavender	1.50
* <b>Windmiller's Rose Pink Cheviot</b>	1.00
* <b>Windmiller's Appleblossom.</b> Appleblossom pink	1.00
* <b>Windmiller's Snow White.</b> Fine spring white	1.00
* <b>Yellow Wonder.</b> Extra early light yellow	1.50
* <b>Standard Early Mixed.</b> Carefully blended mixture of the above varieties and colors	.75

# SNAPS FOR OUT-DOORS

(175,000 seeds per ounce)

Generally we recommend the rust-resistant varieties for out-door growing, not only because of their rust-resistance but because they are apt to be truer to type. A sowing Feb. 1st of the longer-stemmed varieties will produce an excellent crop of flowers during early summer out-doors. For flat and plant sales, sow March 1st in most sections.

## Our 10-Best List

This list comprises the varieties we consider the finest available in their color classes and we unhesitatingly recommend them for outdoor growing. ALL ARE RUST-RESISTANT.

- \***Rosalie.** (Majus Grand.) Color of Rose Queen in the Earlies. Closely-set spike—a good grower for cut-flower work and bedding.
- \***Pinkie.** (Majus Grand.) Very similar to above in growth; color a medium rose-pink—about a Cheviot Maid color in the Earlies.
- \***Alaska.** (Maximum) Best long-stemmed clear white.
- \***Canary Bird.** (Maximum) Long-stemmed clear light yellow.
- \***Yellow Jacket.** (Majus Grand.) A very excellent deep yellow variety.

\***Defiance.** (Majus Grand.) Color shades in the bronze and Wallflower Red classes.

\***Maximum Crimson.** A rich, deep velvety crimson—color of Velvet Supreme in Earlies.

\***Red Cross.** Velvety deep crimson with prominent yellow lip.

\***Improved California Mixture.** Strictly for cut flower purposes, this is a formula mixture made up by ourselves exclusively of the above varieties blended with the best cut-flower colors predominating.

Prices each above and Mixture: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

\***Golden Orange.** A dwarf variety for bedding only. Light golden bronze. 100% true to its dwarf compact habit and attractive color. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., \$3.00.



*Rust-Resistant type as grown in California shows the possibilities of Snapdragons for out-door growing.*

## Complete List of

# OUT-DOOR SNAP VARIETIES

(EXCEPT ABOVE "10 BEST")

MAXIMUM. The strong growing, long-stemmed type for cutting.

	Tr. pkt.	¼ oz.	1 oz.
* <b>Appleblossom.</b> (Rust. Res.) Light pink with yellow lip and white tube.....	\$0.25	\$0.65	\$2.25
* <b>Campfire.</b> (Rust. Res.) Bronzy scarlet....	.25	.65	2.25
* <b>Copper King.</b> (Rust. Res.) Bronze or coppery scarlet. Fine variety.....	.25	.65	2.25
* <b>Daffodil.</b> (Rust. Res.) Canary Yellow....	.25	.65	2.25
* <b>Loveliness.</b> (Rust. Res.) Light pink. Varies.....	.25	.65	2.25
* <b>Ruby.</b> Fine deep ruby red.....	.15	.40	1.50
* <b>Snowflake.</b> An excellent pure white (non-res.).....	.15	.40	1.50
* <b>Swingtime.</b> (Rust. Res.) A fine medium light pink with white throat.....	.25	.65	2.25
* <b>Yellow Giant.</b> (Rust. Res.) Canary yellow.....	.25	.65	2.25
* <b>Mixture.</b> (Rust. Res.).....	.25	.65	2.25

MAJUS GRANDIFLORA. Altho not as long-stemmed as the Maximums, Majus varieties are amply long-stemmed for cutting and particularly large-flowered.

* <b>Buttercup.</b> (Rust. Res.) Medium canary yellow. Long-stemmed.....	\$0.25	\$0.65	\$2.25
* <b>En Garde.</b> Coral pink shaded amber....	.35	.75	2.75
* <b>Harmony.</b> Terra cotta rose.....	.25	.50	1.75
* <b>Opal Queen.</b> (Rust. Res.) Terra cotta pink.....	.25	.65	2.25
* <b>Shasta.</b> (Rust. Res.) Good white.....	.25	.65	2.25
* <b>Terra Cotta Pink.</b> Varies.....	.25	.65	2.25
* <b>Wallflower Red.</b> (Rust. Res.) Varies....	.25	.65	2.25
* <b>Hybrid Mixture.</b> (Rust. Res.) A brilliant mixture of all colors in this class.....	.25	.65	2.25

MAJESTIC. Medium long stems and extra large flowers.

* <b>Celestial.</b> A dwarf and compact grower with extra large flowers of Cheviot Maid color. 100% true.....	\$0.35	\$0.75	\$2.75
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	Tr. pkt.	¼ oz.	1 oz.
<b>Fair Lady.</b> Clear rose pink.....	\$0.35	\$0.75	\$2.75
<b>Golden Dawn.</b> Light golden bronze.....	.35	.75	2.75
<b>Orange King.</b> Afterglow shade.....	.35	.75	2.75
* <b>Rose Sensation.</b> (Super Majestic Rust. Res.) A fine shade of light pink.....	.35	.75	2.75
* <b>Mixture.</b> (Rust. Res.).....	.35	.75	2.75

NANUM GRANDIFLORUM. The dwarf and compact class.

The following four varieties are outstanding for large flowers, clear bright colors and absolute uniformity of growth. Where non-resistant strains can be used, we recommend them highly.

\***Royal Rose.** Color of Rose Queen in Earlies.

\***Royal Cerise.** Brilliant cerise rose or carmine.

\***St. George.** A bright orange cerise.

\***Guinea Gold.** Extra large flowered golden orange.

EACH above: Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.75.

<b>Empress.</b> Velvety crimson.....	\$0.25	\$0.60	\$2.00
<b>Flame.</b> Bright fiery scarlet.....	.25	.60	2.00
<b>Gloria.</b> Deep rose.....	.25	.75	2.75
<b>Golden Queen.</b> Clear golden yellow.....	.25	.75	2.75
* <b>Gypsy Girl.</b> (Rust. Res.) Bi-color rose and purple with white tube.....	.25	.60	2.00
<b>Indian Girl.</b> (Rust. Res.) Bronze.....	.25	.60	2.00
<b>Purity.</b> Clear white.....	.25	.75	2.75
<b>Light Salmon Pink.</b> (Rust. Res.).....	.25	.75	2.75
<b>Wildfire.</b> (Rust. Res.) Orange bronze....	.20	.60	2.00
<b>Yellow Gem.</b> (Rust. Res.) Lemon yellow....	.20	.60	2.00
* <b>Mixture.</b> (Rust. Res.).....	.20	.50	1.75

**TOM THUMB Magic Carpet.** Extra dwarf (4 to 6 in.) procumbent habit. Mixture of colors. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

LATE OR  
SUMMER

SWEET PEAS

(350 Seeds  
Per Oz.)



*Late Pea, Welcome, our finest scarlet*

In our latitude, or where hot summers are not relieved by cool nights, summer peas are usually destroyed by mid-July. For this reason a Spring sowing usually gets in too late to be profitable. For 25 consecutive years, we have grown a profitable crop outdoors by sowing the seed indoors not later than February 1, growing into 3 inch pot plants and planting out around mid-April. We protect them against freezes and heavy frosts after this date with a V-shaped protection made by nailing two 6 inch cypress boards together. With all the overhead water they will stand and 5 foot high wire and string supports, we have them in crop by June 15th. Two weeks of heavy June picking assures us a nice profit for the greenhouse crops are usually thru at that time and the demand for peas is active until the 1st day of July. But this outdoor crop must be sprayed weekly for aphid until they get in flower. Most failures with this crop are due to not watching this point.

Another use for this class is planting a few with late or after mum planted earlies. The early class will climb straight up while this late flowering class will break freely from about the base not getting up to interfere with the earlies until this class is weakening or exhausted. This combination will double the number of flowers but it will of course hold up the bed nearly a month longer. All our sweet pea seed, both early and late, is treated with copper oxide, also known as Cuprocide. Thru repeated experiments we know that this treatment destroys rot that might otherwise destroy the seed.

The Six Best Ball Late Peas

The following six varieties we believe represent the best in their respective color classes. Our choice is based not only on our experience in growing them for market but also on your demand for them. We suggest your planting be largely confined to varieties from this list.

- \***Pinkie.** Finest rose-pink; large flowered, long-stemmed and a heavy producer.
- \***Gigantic.** A black-seeded white producing extra large waxy flowers with many flowers duplexed. A fine clear, paper white.
- \***Ball Shrimp Pink.** Its particularly vigorous growth producing long, strong stems makes Ball Shrimp Pink outstanding for out-door growing. Color a delicate shade of shrimp pink.
- \***King Lavender.** A fine variety—clear and even color with exceptionally vigorous growth and long, strong stems.

\***Windsor Blue.** Easily the finest mid-blue variety available from standpoint of stem, clear and even color and flower size. A very excellent variety.

\***Welcome.** One of our finest varieties judged by growth, flower size and stem. Very vigorous grower and heavy producer. Color a brilliant sunproof scarlet.

\***"Six Best" Mixture.** A formula mixture of above varieties only and predominating in the finest commercial colors for cut flower use.

Prices on ALL ABOVE, EACH: 1 oz., 20c; 4 oz., 60c; 1 lb., \$1.75.

GENERAL LIST

- Ambition.** Rosy lavender.
- \***Amethyst.** Lilac blue. Fine clear color.
- Ascot.** Light rose pink.
- Avalanche.** White-seeded clear white.
- Beattall.** Pink suffused salmon.
- Begonia Rose.** Even light rose pink.
- Blue Bird.** Clear medium blue.
- Blue Flame.** Bright deep blue.
- \***Bonnie Briar.** Fine rose pink.
- Campfire.** Deep scarlet.
- Chieftain.** Satiny mauve-blue.
- \***Chinese Blue.** Good clear medium blue.
- Constance Hinton.** Black-seeded white.
- Crimson King.** Deep crimson.
- \***Crony.** An intense coral or salmon rose. Fine stem and flower.
- Debutante.** Soft salmon pink.
- \***Discovery.** A pleasing chamois pink shade. Limited to 1 oz. only.
- \***Fairyland.** A fine clear pink on cream ground.

- Fiancee.** Soft salmon pink.
- \***Flagship.** Deep, brilliant navy blue.
- Fluffy Ruffles.** Soft cream pink.
- Giant White.** Clear white.
- Hawlmak Lavender.** Light bluish lavender.
- Hawlmak Pink.** Light rose pink.
- \***Headlight.** Fine sunproof orange scarlet.
- Heavenly Blue.** Clear mid-blue.
- Hebe.** Rose pink.
- \***Highlander.** Fine large lavender.
- Lady Ruffles.** Large ruffled soft pink.
- Loveliness.** Silvery pink, cream ground.
- Magnet.** Salmon rose.
- Mary Pickford.** Creamy salmon pink.
- Mastercream.** Cream.
- Matchless.** Cream.
- \***Maytime.** A rich golden cerise with large flowers and long stem.
- Miss California.** Large salmon rose.
- \***Olympia.** Mauve. Near Triumph color in Earlies.

- \***Pinnacle.** A fine deep rose.
  - Powerscourt.** Standard lavender.
  - \***Red Rover.** Deep crimson (same as Red Wood in Earlies.) Strong growing.
  - Royal Purple.** Deep purple.
  - Royal Scot.** Orange-scarlet.
  - \***Snow White.** Large flowered, vigorous growing pure white.
  - Springtime.** Nice clear rose.
  - \***Stylist.** Large flowers of clear deep salmon rose-pink.
  - \***Sweet Afton.** Strong growing clear bright pink.
  - Warrior.** Deep bronzy-maroon.
- Prices on all above varieties, each: 1 oz., 20c; 4 oz., 60c; 1 lb., \$1.75.
- Ball Florists' Mixture.** A well-balanced mixture of all colors in the late-flowering class, predominating in good cut-flower colors. 1 oz., 15c; 4 oz., 50c; 1 lb., \$1.50; 5 lbs., \$6.00.

# EARLY OR WINTER PEAS (350 seeds per oz.)

## Spring Flowering Varieties

Produces a fine crop of extra large and long-stemmed flowers during May and June from a January or early February sowing. Much superior to the Earlies for May and June flowering.

\***Black-Seeded White.** Extra fine pure white. Outstanding for large, frilled flowers and heavy stem.

\***Navy Blue.** Deep marine-blue.

**Light Blue.** Soft shade of clear light blue.

**Light Carmine.** (Deep Rose Cerise) A pleasing bright cerise rose on salmon.

**Light Cream Pink.** A soft light cream pink.

Prices on above varieties, EACH: ½ oz., 75c; 1 oz., \$1.40; 4 oz., \$5.50.

\***Mauve.** A bright mauve-lilac shade—about that of Early Triumph. ½ oz., 50c; 1 oz., 90c; 4 oz., \$3.00; 1 lb., \$10.00.

\***Blue.** Fine medium-blue.

\***Lavender.** A clear even shade.

\***Rose Pink.** A bright rose pink—near Laddie Imp. color.

\***Mixture.** A formula mixture of the above mixed by ourselves and predominating in the best commercial colors. Prices on above 3 varieties and mixture, EACH: ½ oz., 40c; 1 oz., 60c; 4 oz., \$1.75; 1 lb., \$6.00.

## General List of Early Flowering Varieties

**American Beauty.** American-Beauty rose.

**Amethyst.** Rich bright mauve-purple.

**Apollo.** Salmon-cerise.

**Attraction.** Long-stemmed salmon rose.

\***Bacchus.** Deep maroon-purple. Large flowered.

\***Ball Rose Imp.** Standard bright rose.

\***Ball Rose Queen.** Large flowered rose pink. 1 oz. only.

\***Blue Danube.** A clear deep blue.

**Boon.** Deep salmon-rose.

\***Bridesmaid.** Delightful silvery pink. Large flowered.

**Bright Light.** Vivid orange-scarlet.

**Chevalier.** Deep rose.

\***Cinderella.** Large flowered clear light blue.

**Columbia.** Rose and white bi-color.

\***Daphne.** Soft salmon-pink on cream. Large flowered.

**Eleanor Blue.** Light blue; for spring flowering only.

**Fragrance.** Clear lavender for spring flowering.

**Giant Rose.** Large-flowered rose.

**Grenadier.** Poppy-scarlet.

**Heather Bell.** Pleasing orchid-lavender. Rather small-flowered.

\***Hiawatha.** Fine deep rose. Sold out until next fall.

\***Hope.** Fine black-seeded white.

**Jeanne Mamisch.** Clear rose; long-stemmed.

\***Josie.** Longest-stemmed clear rose pink.

**Majestic Rose.** Fine large-flowered rose-pink.

**Michigan.** Clear lavender.

**Mrs. Holscher.** Large rose pink.

**Oriental.** Black-seeded cream.

\***Pride.** Extra long-stemmed brilliant cerise.

**Red Bird.** Crimson-red.

\***Redwood.** Large-flowered deep, velvety crimson.

**Sequoia.** Large flowered standard salmon rose.

\***Signal Red.** The finest brilliant red in Early Peas. We regret

that we are entirely sold out of this variety for the season.

**Snowstorm.** White-seeded white. Rather small-flowered.

**Success.** Bright deep rose.

\***Sunproof Orange.** Large-flowered orange cerise.

**Top Hat.** Deep bright violet-blue.

**Vivian.** Deep carmine-rose.

\***White Harmony.** Fine black-seeded white.

**Zvolanek's Rose.** Rose-pink. Prefer Laddie Imp. All above

priced at: ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.50.

**Ball Early Mixture.** A well-balanced mixture of the above colors.

½ oz., 15c; 1 oz., 25c; 4 oz., 85c; 1 lb., \$3.25.

In our latitude, we find a greenhouse planting of this class up to Valentine's Day will produce a nice crop thruout May. For this planting, sow around mid-January and grow on 2 or 3 plants in a 3 in. pot. This late planting cannot become as strong and long-stemmed as the a'ter-Mum start. But if unchecked and in clean soil, they do well. We find the new **SPRING FLOWERING CLASS** especially adapted to this late planting.

## Novelties

**Magic.** Fine new orchid-lavender—slightly deeper than Harmony. Large flowered and extremely early flowering habit. ½ oz., 75c; 1 oz., \$1.40; 4 oz., \$5.50.

**Fiesta.** Brilliant orange-cerise with long, heavy stem. A brilliant color. ½ oz., 50c; 1 oz., 90c; 4 oz., \$3.00; 1 lb., \$10.00.

\***Gardenia.** The longest-stemmed and largest-flowered pure white Sweet Pea we know of. Altho not a good winter-flowering variety, we recommend Gardenia particularly for spring flowering from a January sowing. ½ oz., 40c; 1 oz., 60c; 4 oz., \$1.75; 1 lb., \$6.00.

**Tops.** Fine salmon rose; produces many 5's and on long stems. ½ oz., 40c; 1 oz., 60c; 4 oz., \$1.75; 1 lb., \$6.00.

**Sparks.** A brilliant poppy-scarlet. Large flowers on long and strong stems. ½ oz., 40c; 1 oz., 60c; 4 oz., \$1.75; 1 lb., \$6.00.

**Rhumba.** A pleasing coral or salmon cerise shade at its best in spring. Large ruffled flowers freely produced. ½ oz., 40c; 1 oz., 60c; 4 oz., \$1.75; 1 lb., \$6.00.

## Ball Twelve Best

\***Ball Rose Supreme.** Greatly improves our Ball Rose Imp. in being larger-flowered, clearer dark rose and longer-stemmed. A first class commercial variety. We supply quantities up to 4 oz. only. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00.

\***Laddie Imp.** The finest available clear, fairly light rose pink with nice size and stem. We can supply amounts to 4 oz., only. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00.

**Mrs. Hoover.** Finest mid-blue for mid-winter flowering. Prefer Tahoe for spring. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.50.

\***Tahoe.** Fine medium blue for spring flowering. Clear even color and fine producer. Large attractively ruffled flowers. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.50.

\***Ball Salmon.** Fairly deep salmon or coral pink, much deeper and more effective than Daphne. A very attractive novelty color. ½ oz., 35c; 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.00.

\***Twilight.** Finest large-flowered, long-stemmed lavender. We are certain that this will entirely replace Harmony. We supply amounts to 4 oz. only. ½ oz., 40c; 1 oz., 60c; 4 oz., \$1.75.

**Harmony.** The standard early flowering lavender. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.50.

\***Ball White.** The largest-flowered, longest-stemmed pure white. White-seeded; be particularly careful in germinating not to over-water. ½ oz., 25c; 1 oz., 35c; 4 oz., \$1.20; 1 lb., \$4.00.

\***Princess Blue.** Beautiful light-lavender blue. Long-stemmed and particularly large flowered. We can supply amounts to 1 oz. only. ½ oz., 30c; 1 oz., 40c.

\***Ball Orange Imp.** Our finest clear, brilliant orange. A fine spring variety. ½ oz., 25c; 1 oz., 35c; 4 oz., \$1.20; 1 lb., \$4.00.

\***Triumph.** Long-stemmed, rich lilac-mauve. A first class commercial color and variety. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.50.

\***Treasure Island.** A brilliant orange-scarlet. Particularly large-flowered and long-stemmed. ½ oz., 25c; 1 oz., 35c; 4 oz., \$1.20; 1 lb., \$4.00.

\***12 Best Mixture.** A formula mixture made up by ourselves including only above varieties and predominating in best commercial colors. ½ oz., 20c; 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$3.50.

# BALL Non-Branching STOCKS



Non-Branching Stock,  
Ball Supreme

Altho seed supplies are extremely limited this season due to practically complete crop failures on the Pacific Coast, we can offer the following varieties subject of course, to our supplies on hand at the time your order is received. Note that several (principally the whites) are being sold in trade packets only, until new crop becomes available next fall.

## WHITE VARIETIES.

**No. 16—Ball White Imp.—Medium Tall.** This and following are our finest pure white non-branching Stock varieties. Trade packets only.

**No. 15—Ball White Imp.** Long-stemmed pure white. Trade packets only.

**No. 2—Ball White.** Our original long-stemmed faintly tinged white. Supplied also in a MEDIUM TALL STRAIN—6 in. shorter.

**No. 5—Ball White Extra Dwarf.** Regret that WE ARE COMPLETELY SOLD OUT OF THIS VARIETY until next fall.

**Gardenia.** A long-stemmed pure white. Price on this variety: Tr. pkt., \$1.00; 1/8 oz., \$2.25; 1/4 oz., \$4.00; 1/2 oz., \$7.00; 1 oz., \$12.00.

## LAVENDER, BLUE AND PURPLE VARIETIES.

\***No. 1—Lilac Lavender.** Rich lilac-lavender; strictly non-branching. Our standard biggest-selling market variety.

\***No. 3—Ball Blue.** A darker selection from Lilac-lavender. A violet-blue.

**No. 21—Ball Purple.** (new) Deep violet purple. Trade packets only.

**No. 23—Pastel Lavender.** (new) A light pastel shade. Trade packets only.

## DWARF TEN WEEK

Use this extra dwarf 6 to 10 in. class for spring pot plants and combination work; also for outdoor bedding.

\***Blood-Red**      **Lavender**

**Canary-Yellow**      **Purple**

**Carmine-Pink**      **\*White**

**Deep Rose**      **\*Formula Mixture**

**Prices EACH:** Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., 1.75.

## GIANTS OF CALIFORNIA

A newly developed class that improves the Bismarcks in stronger growth which, of course, means more and longer flower stems.

\***Pacific.** Fairly dark blue with extra stem and growth; about the color of Bismarck Lilac.

\***Yosemite.** About the shade of Bismarck Rose; a strong clear color with extra heavy growth.

\***Santa Maria.** Generally accepted as the best branching pure white; distinctly stronger than Bismarck White.

**Roselight.** Similar to Yosemite, but some stronger growing.

## Prices for above Four Varieties:

Tr. pkt., 35c; 1/4 oz., \$1.15; 1 oz., \$4.00.

**Mixture** of all colors in this new class.

Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

# Ball Supreme No. 22

Easily the choicest rose pink. The shade is between our No. 11 and 14 or medium dark, with enuf pearl or apricot shading under spring conditions to make it distinct. Also extra long stemmed with double percentage around 62-64. BALL SUPREME suggests the variety LaFrance in color but is some longer stemmed and with better double percentage.

## OTHER ROSE AND PINK SHADES.

\***No. 11—Ball Pink.** Our standard medium to light rose pink. Shade of Bismarck Rose.

**No. 14—Ball Rose Pink.** Dark rose.

**No. 9—Chamois Pink.** A Chamois or cream pink. Rather short-stemmed.

**No. 20—Ball Apricot.** (new) Clear apricot or buff pink.

**No. 7—Malmaison Pink.** A bluish pink shade.

## MISCELLANEOUS COLORS.

\***No. 17—Gold Standard.** Deep ivory yellow. A good market variety.

**No. 8—Ruby.** Long-stemmed rich crimson red.

**No. 6—American Beauty.** Deep American Beauty Rose.

**No. 10—Mixture.** A specially blended formula mixture made up by ourselves of named varieties. Mixture predominates in good cut flower colors.

Prices on all NON-BRANCHING varieties as follows (except Gardenia): 1/2 Tr. pkt., 60c; Tr. pkt. (about 1,200 seeds), \$1.00; 1/4 oz., \$2.50; 1 oz., \$9.00.

# BRANCHING STOCKS

## IMPROVED BISMARKCS

With its dependable percentage of doubles this class continues to lead in the branching class.

**Antique Copper.** Fine copper red.

**Apple Blossom.** An extra delicate pink; nearly white.

**Blood Red.** Ruby color.

**Buttercup.** Deep cream, strong growing.

\***Chamois.** Fine clear chamois.

\***Elk's Pride.** Rich purple.

**Flesh.** Delicate shade of Malmaison Pink.

\***Golden Ball.** Ivory yellow.

**Golden Rose.** As named.

\***Lavender.** Clear lilac lavender; fine.

\***Lilac.** Bright deep lilac-blue.

\***Rose.** Fine bright rose pink.

\***Shasta.** New giant white.

**White.** Good clear white.

**Formula Mixture** of above colors.

**Prices EACH:** Tr. pkt., 35c; 1/4 oz., \$1.00;

1 oz., \$3.00.

## PERPETUAL BRANCHING

(Giant Perfection)

Habit similar to Bismarcks, but not quite so tall.

\***Empress Augusta Victoria.** Fine silver lilac.

**Heatham Beauty.** Terra-cotta or golden rose.

**Rose.** A clear even shade.

**Snowdrift.** Clear white.

**Prices EACH:** Tr. pkt., 25c; 1/4 oz., 60c;

1 oz., \$2.25.

**Mixture** of above. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

## BEAUTY OF NICE

Compact like a Ten Week but not quite so dwarf.

**Aurora.** Golden Buff.

**Flesh Pink.** (*Beauty of Nice*.) Flesh or Malmaison Pink.

**Cote d'Azur.** Light lavender-blue.

**Mont Blanc.** Clear extra early white.

**Queen Alexandra.** Rosy lilac; fine.

**Prices EACH:** Tr. pkt., 25c; 1/4 oz., 60c;

1 oz., \$2.25.

**Mixture** of above. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

# ANNUAL LARKSPUR

(8,000 seeds per oz.)

Long stems, bright colors and graceful foliage explains the increasing popularity of Larkspur. A greenhouse sowing in January or February will produce freely in May on either a ground or raised bed. While an outdoor spring sowing made as early as the ground can be touched will hardly equal a fall sowing, it will produce results in well enriched soil and if watered as needed. Also it has the advantage of being more certain than the fall sowing. The base-branching class is generally preferred because of longer stems.

Altho Larkspur seed supplies are generally short this season because of poor growing conditions in California last spring and summer, we are glad to report ample supplies of nearly all varieties listed on this page. Seed of the Hyacinth flowered type is not available this season because of complete crop failures on all varieties.

## SIX BEST CUTTING VARIETIES

This list is made up from our own experience and flowering trials of all available varieties as well as country-wide demands. We suggest your planting be largely confined to varieties on this list. All varieties are of the Base-Branching type.

- \***Blue Bell.** A clear medium-light blue.
- \***Blue Spire.** Deep violet blue.
- \***Sweet Lavender.** A clear even lavender.
- \***Gloria Imp.** A fine clear, deep rose.
- \***Rosalind.** A rose with distinct salmon shading.
- \***White King.** A pure glistening white. Excellent spike formation and large flowers. Prices on all above varieties: Tr. pkt., 25c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00; 1 lb., \$10.00. 4 oz. or more of any one variety at the pound rate.

## BASE-BRANCHING OR IMPERIAL VARIETIES

- \***Lilac King.** (new) A clear, even lilac-lavender. Slightly lighter than Sweet Lavender. Fine base-branching habit. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.
- \***Carmine King.** Bright carmine-rose. Prefer Dazzler.
- \***Coral King** (new) Pleasing soft, coral rose. Fine base-branching habit.
- \***Daintiness.** Light lavender. Color "washy" under outdoor conditions.
- \***Dazzler.** Bright carmine rose—deeper than Carmine King.
- \***Exquisite Pink Imp.** Fine soft pink.
- \***Lilac Queen.** Rich deep lilac-lavender.
- \***Los Angeles Imp.** Bright salmon rose.
- \***Miss California.** Fine salmon-pink.
- \***White Cockade** (new) Fine pure white; fully double flowers and excellent base-branching habit.
- \***White Spire.** Clear white.

\***Formula Mixture.** Mixed from the above varieties, predominating in the good commercial colors.

Prices on all above varieties except the new Lilac King: Tr. pkt., 25c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00; 1 lb., \$10.00. 4 oz. of any one variety at lb. rate.

## STOCK-FLOWERED VARIETIES

- \***Tempest.** (new) Brilliant deep blue.
  - \***Dark Blue.** A rather deep violet-blue.
  - \***Lilac Supreme.** A clear deep lilac.
  - \***Lilac Improved.** Clear mid-lilac. Slightly lighter than above.
  - \***Los Angeles.** Bright salmon rose.
  - \***Mauve Beauty.** Medium mauve-lavender.
  - \***Rosamond.** Excellent deep rose.
  - \***Rose Queen.** Attractive rose-pink.
  - \***Sky Blue.** A light blue.
  - \***White.** Much prefer White King.
  - \***Formula Mixture** of above varieties.
- Prices on all above stock-flowered varieties: Tr. pkt., 25c; 1 oz., 60c; 1 lb., \$6.00; 4 oz. of any one variety at lb. rate.

## DWARF EMPEROR MIXTURE

A complete mixture of colors in this dwarf, compact growing type. Less than half the height of the cut-flower types. Tr. pkt., 20c; ½ oz., 35c; 1 oz., 60c.



Showing why the new Imperial or Base-Branching varieties are preferred for long-stemmed cutting.



## GRAVEL CROPS AND SUB-IRRIGATION 2nd Edition Vic Ball

Besides latest slants on gravel, it covers sub-irrigation of both pot plants and bench crops—directions, pros and cons, our own experiences with it. You should be informed on these promising new developments. 56 pages, freely illustrated. Price 10c.

# Delphinium

(10,000 seeds per oz.)



The Giant Pacific Hybrid strain of Delphinium is the finest available for the commercial cut flower grower—either for indoor forcing or regular field growing.

A sowing during the early spring of either the Giant Pacific Hybrids or the regular cut flower kinds such as Belladonna Imp. will produce fine large clumps by next Fall for either greenhouse forcing or sale. We are happy to report fair supplies at least, of all varieties listed on this page in spite of serious shortages in some lines. Those varieties we find best for general cut flower use are starred. (\*)

## GIANT PACIFIC HYBRIDS

**Blue Bird Series.** (new) The clearest of medium blues with white bee.  $2\frac{1}{2}$  in. flowers. Tr. pkt., \$2.00;  $\frac{1}{8}$  oz., \$4.00;  $\frac{1}{4}$  oz., \$7.00; 1 oz., \$24.00.

**Black Knight Series.** (new) Deep mid-night violet. The darkest of them all. Tr. pkt., \$1.25;  $\frac{1}{8}$  oz., \$3.00;  $\frac{1}{4}$  oz., \$5.50; 1 oz., \$20.00.

**Blue Jay Series.** (new) A brilliant true medium blue with dark bee. Tr. pkt., \$1.25;  $\frac{1}{8}$  oz., \$3.00;  $\frac{1}{4}$  oz., \$5.50; 1 oz., \$20.00.

**Cameliard Series.** (new) A pure lavender self with white bee. Tr. pkt., \$1.25;  $\frac{1}{8}$  oz., \$3.50;  $\frac{1}{4}$  oz., \$6.50;  $\frac{1}{2}$  oz., \$12.00; 1 oz., \$22.50.

**Round Table Series.** (new) Hybrid or "trial ground mixture," containing many new and interesting color types not yet introduced. Tr. pkt., \$1.25;  $\frac{1}{8}$  oz., \$2.50;  $\frac{1}{4}$  oz., \$4.00; 1 oz., \$14.00.

\***Calahad Series.** The finest clear white Delphinium we list. Huge, double flowers borne on long, closely-set spikes. Tr. pkt., \$1.50;  $\frac{1}{8}$  oz., \$4.00;  $\frac{1}{4}$  oz., \$7.00; 1 oz., \$24.00.

**Lancelot Series.** Clear lilac self, extra large flowered. Color varies.

**Guinevere Series.** Fine light, pinkish-lavender with white bee.

\***King Arthur Series.** Royal violet with white bee. Exceptional flower size.

**Summer Skies Series.** Light blue with an attractively contrasting white bee.

**Clear White.** A very fine clear white, large double flowered hybrid Delphinium.

Prices on above 5 varieties, each: Tr. pkt., \$1.25;  $\frac{1}{8}$  oz., \$2.50;  $\frac{1}{4}$  oz., \$4.00; 1 oz., \$14.00.

\***Blue Shades.** One of our most popular strains. Mixture of light and dark blue strains.

**Lavender Pastel Shades.**

**Pastel Shades.** A very fine pastel mixture of lavender and blue shades.

**Violet Shades.** Deep, rich violet-blue colors with many contrasting white bees.

\***Mixture.** A complete mixture of all colors in this fine hybrid type. Our finest Hybrid Delphinium strain.

Prices on above 5 varieties, each: Tr. pkt., \$1.00;  $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.50; 1 oz., \$12.00.

## OTHER VARIETIES.

\***Belladonna Improved.** A carefully reselected strain of this standard light blue. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 70c; 1 oz., \$2.40; 1 lb., \$26.00.

\***Lamartine.** Deep, bright marine blue. An outstanding strain for color and cut flower habit. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.25; 1 oz., \$4.50.

\***Bellamosum Improved.** A reselected strain of this standard deep blue. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 70c; 1 oz., \$2.40; 1 lb., \$26.00.

**Belladonna.** The original or regular strain. Tr. pkt., 30c;  $\frac{1}{4}$  oz., 60c; 1 oz., \$2.00.

\***Blackmore and Langdon Hybrids.** A fine, free-flowering, long-hybrid strain. Tr. pkt., 50c;  $\frac{1}{4}$  oz., 90c; 1 oz., \$3.00; 4 oz., \$9.00.

**Wrexham or Hollyhock Strain.** Extra large, tapering spikes. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.50; 1 oz., \$5.00.

**Gold Medal Hybrids.** Tr. pkt., 25c;  $\frac{1}{4}$  oz., 45c; 1 oz., \$1.50.

**CHINENSIS** or Annual Delphinium. 20,000 seeds per oz. From a January sowing, makes a nice late spring cut flower crop.

\***Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 60c; 1 oz., \$2.25.

**Dark Blue** **White** **Mixture**  
Prices on each above three: Tr. pkt., 20c; 1 oz., 75c.

# Ball Calendula

(3,000 seeds per oz.)

## FORCING VARIETIES.

Originated and introduced by us 25 years back, Ball Calendula continue today the only class for cut flower work. A sowing during January or early February will produce a heavy spring crop.

\***Ball Improved Long Orange.** Bright golden orange with light eye; extra large flowered and long-stemmed.

\***Ball Masterpiece.** Deep orange with brown center.

\***Ball Lemon Queen.** Lemon yellow with attractive brown eye.

\***Ball Gold.** Deep golden yellow with light eye.

**Ball Long Orange.** Standard long-stemmed deep orange.

**Ball Sensation.** Similar to above.

**Ball Supreme.** Medium large flowered light orange.

**Ball Apricot.** Light straw or buff color with dark center.

**Camphire.** Fine extra deep intense orange.

Prices on above Ball Calendula, each: Tr. pkt., 40c;  $\frac{1}{4}$  oz., 60c; 1 oz., \$2.00; 2 oz., \$3.50; 4 oz., \$6.50.

**Ball Formula Mixture.** Carefully mixed by us of the above varieties, of the good orange and yellow cut flower varieties.

**Ball Art Shades Mixture.** Many original and interesting color variations from our breeding trials for new varieties.

Prices Both above Mixtures: Tr. pkt., 35c;  $\frac{1}{4}$  oz. 50c; 1 oz., \$1.50.

## BEDDING VARIETIES.

**Orange Shaggy.** Finely fringed. **Friiled Beauty.** Deep orange.

**Sunshine.** (Chrysanth) Loose-petalled bright yellow.

Prices on above three varieties: Tr. pkt., 15c;  $\frac{1}{4}$  oz., 25c; 1 oz. 75c.

\***Apricot Queen.** Apricot-buff with petals tipped orange. Tr. pkt., 20c;  $\frac{1}{4}$  oz., 35c; 1 oz. \$1.10.

**Radio.** Bright orange with quilled petals.

**Radio Golden Beam.** Clear yellow Radio selection.

**Lemon Queen.** Light lemon yellow.

**Orange King.** Dark-centered deep orange.

\***Ball Bedding Mixture.** A well-proportioned mixture of colors in the dwarf class.

Prices on above 4 varieties and mixture, each: Tr. pkt., 15c;  $\frac{1}{4}$  oz., 25c; 1 oz., 75c; 1 lb., \$6.00.

# PRIMULAS

## Primula Obconica

(4000 seeds per  $\frac{1}{32}$  oz.)

A very showy group of pot plants. In spite of skin irritation produced on some people, demand for Obconicas actually seems on the increase. Because of lack of most European seed supplies, seed of most varieties are on the short side. If you want to sow before June, order your seed immediately; we'll be glad to set aside your requirements for delivery at any date you specify. We are growing our own Obconica seed for next season and expect ample supplies—new crop ready in June and July.

All our Obconica seed is furnished in sealed glass tubes to assure freshness and good germination; no extra charge over listed prices.

**\*Better Days.** Fine deep carmine-red.

**\*Fasbender's Red.** Large-flowered deep crimson. Sold out until June or July.

**\*Mohnstein's Atrosanguinea.** Deep red.

**\*Mohnstein's Dark Red.** Very similar to above.

**\*Mueller's Berlin Rose.** Light rose color.

**\*Mueller's Rosea.** Very similar to above.

**\*Lachrosa.** Large, bright salmon rose.

**Salmon Queen.** Very similar to above.

**Coerulea.** Clear blue.

**White.**

Any above priced at: Tr. pkt. ( $\frac{1}{128}$  oz.), \$1.10;  $\frac{1}{64}$  oz., \$2.00;  $\frac{1}{32}$  oz., \$3.75.

**Mixture.** Carefully blended mixture of above colors. Tr. pkt. ( $\frac{1}{128}$  oz.), 60c;  $\frac{1}{64}$  oz., \$1.00;  $\frac{1}{32}$  oz., \$1.75.

**\*Portland Beauty.** The standard double flowering rose-pink; a fine compact growing free-flowering pot plant strain. Tr. pkt., \$1.50;  $\frac{1}{64}$  oz., \$3.50.

## Primula Malacoides

(12,000 seeds per  $\frac{1}{32}$  oz.)

Specialists sow seed in May for large sizes of flowering plants for next spring. Sowings may be made thruout the summer however for smaller sizes. Our seed supplies of most varieties are quite low; we expect ample supplies from our own greenhouse seed crop, however, in June and July.

**Rosea Superba.** Fine extra large flowered and compact bright orchid rose. A fine variety. Our supply is completely exhausted until new crop. Tr. pkt., 50c;  $\frac{1}{32}$  oz., \$1.50;  $\frac{1}{16}$  oz., \$2.50.

**Baby Rose.** Bright rose of compact habit. Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$1.75;  $\frac{1}{32}$  oz., \$2.75.

**\*Riverside.** Very attractive bright rose with distinct salmon cast. Fine pot plant habit. Sold out until June or July. Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$2.25;  $\frac{1}{32}$  oz., \$4.00.

**\*Brilliance.** Outstanding crimson-red color with opening flowers of a lighter shade. Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$2.25;  $\frac{1}{32}$  oz., \$4.00.

**Baby Alba.** Clear white. Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$1.50.

**Mixture.** Carefully balanced formula mixture of above varieties. Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$1.50;  $\frac{1}{32}$  oz., \$2.50.

**Eriksson's Strains.** We supply the following varieties in Mr. Eriksson's sealed packets. His strains are very excellent in type and uniformity. Germination not quite as high however as in our bulk seed.

**Riverside Red Rose.** A brilliant red-rose combination. We can supply 500 seed pkts. only.

**\*ERIKSSON'S DEEP RED.** (Brilliance) Flowers open lavender, changing to brilliant red.

**Glory of Riverside Imp.** A fine, strong growing salmon rose. Finest variety in this color class. We can supply 500 seed pkts. only.

Prices on above three varieties: 500 seed pkts., \$1.00; 2000 seed pkts., \$3.00; 6000 seed pkts., \$8.00.

**\*Eriksson's Pure White Imp.** The finest white Malacoides we have seen. Large flowers of pure white. Strong grower.

**New Baby Imp.** Deep pink with salmon cast. Large flowered.

**Baby Rose.** A good deep pink. Free-flowering.

**\*Eriksson's Special Mixture.** Mr. Eriksson's mixture of all his varieties.

Above four varieties each: 800 seed pkts., \$1.00; 2000 seed pkts., \$2.00; 6000 seed pkts., \$5.00.

## Chinese Primula

(18,000 seeds per oz.)

This is a popular class with many retail growers but wholesale growers find they shatter some when much handling or shipping is necessary. Sowing early in June is necessary to produce strong 5 in. pot plants for Christmas. Seed of this class doesn't usually germinate over 40 to 50% dependably.

**\*Dazzler.** Vivid orange. Outstanding color and pot plant variety. Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$3.00.

**Chiswick Red.** Rich bright carmine-red.

**Coerulea.** Light Blue.

**Defiance.** (Crimson King) Deep crimson-red with dark center.

**Duchess.** White with Tyrian rose center.

**Heath Rose.** Bright rose pink.

**Rose Queen.** Bright carmine rose.

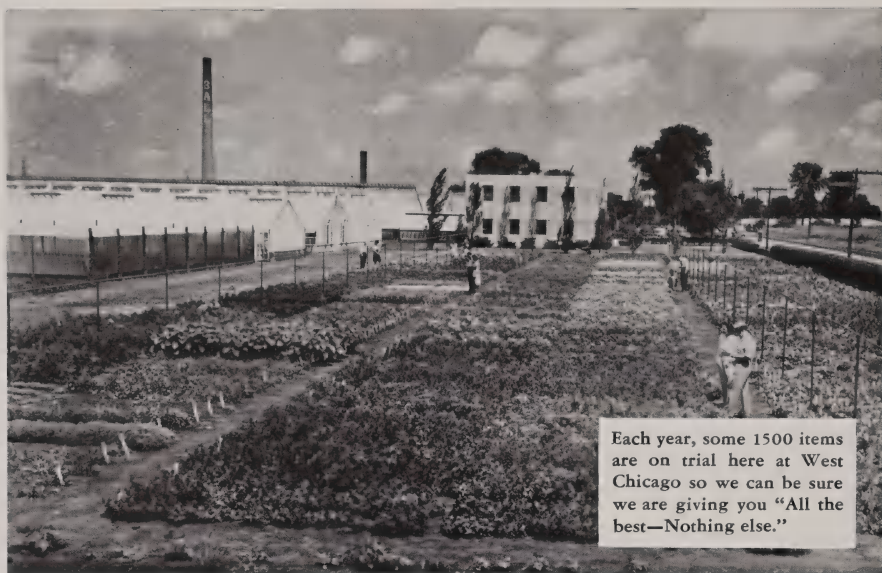
**\*Special Mixture.** Carefully balanced mixture of all colors in the Chinese class.

All above except Dazzler, priced: Tr. pkt., \$1.00;  $\frac{1}{64}$  oz., \$2.00;  $\frac{1}{32}$  oz., \$3.75.

**Primula Kewensis.** (Not a Chinese Primula) Deep yellow winter-flowering pot plant. 10 to 12 in. Tr. pkt., 50c;  $\frac{1}{64}$  oz., \$1.25.

*The demand for white flowers is reflected in the popularity of this color in Malacoides Primula.*





Each year, some 1500 items are on trial here at West Chicago so we can be sure we are giving you "All the best—Nothing else."

## MISCELLANEOUS ANNUALS

Our "Miscellaneous Annuals" list assumes new importance this season to you as a cut-flower and plant grower. The absence of several important crops from your list of available material for the coming season makes more imperative than ever, a close scanning of all available items; not only to find substitutes for the missing varieties, but to supply that ever-present demand for "something new." We have added several interesting new plants to the following list this season. If they sound interesting at all, we're sure a trial will be very worth while.

(\*) Indicates varieties most dependably satisfactory in our experience and observation.

### How Many Seeds Per Ounce?

In reply to numerous requests we include with this catalog again the number of seeds per ounce of important items listed. For example: **Abutilon Mixed**—7000 S. means 7000 seeds per ounce. These figures must **not** be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 50 to 60 per cent.

### ABRONIA

**Umbellata.** (Sand Verbena). 1600 S. A creeping or trailing annual producing pink flowers. Tr. pkt., 15c;  $\frac{1}{4}$  oz., 25c; 1 oz., 65c.

### ABUTILON

**Giant Flowered Mixed** (Hyb. Maximum). 7000 S. (Flowering Maple). Ours is the extra large early flowering strain. Tr. pkt., 35c;  $\frac{1}{2}$  oz., \$1.25.

### ACHIMENES

**Mixed.** Very attractive pot or hanging basket plant for warm houses. Very fine seed. Tr. pkt., \$1.00.

### ACROCLINUM

**New Hybrids.** (Sensation Giants). 8500 S. An attractive Straw-flower for spring cutting. Ours is the extra large semi-double strain. Tr. pkt., 15c;  $\frac{1}{4}$  oz., 30c; 1 oz., 85c.

### AGATHEA

**Coelestis.** (Felicia amelloides or Blue Daisy). 27,000 S. 30 in. Seed of irregular and slow germination. For the dwarf blue daisy see Felicia Bergeriana, page 32. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 40c; 1 oz., \$1.25.

### AGERATUM

**MEXICANUM.** 200,000 seeds. Most seed-produced strains vary in habit.

\***Golden Ageratum.** (New—see Photo next page). Lonas inodora. A medium tall (12 in.) Ageratum-like golden yellow bedding and border plant. Flowers quite early in the season and dies off with us in fall. Its large, freely produced clusters of golden yellow flowers make it quite colorful for out-door plantings. Trade packets, 50c each.

\***Blue Bedder.** (New). A fairly uniform dwarf and free flowering strain of bedding Ageratum. 4 to 6 in. Although not "absolutely uniform," we know of no better strain from seed. Tr. pkt., 50c;  $\frac{1}{16}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$2.75; 1 oz., \$8.00.

\***Midget Blue.** 4 to 6 in. A fairly uniformly dwarf, compact, small flowered, clear blue strain. Tr. pkt., 35c;  $\frac{1}{4}$  oz., \$1.35; 1 oz., \$4.75.

**Blue Ball.** 6 to 10 in. A large flowered strain. Tr. pkt., 20c;  $\frac{1}{4}$  oz., 40c; 1 oz., \$1.25.

**Blue Cap.** 6 to 12 in. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.50.

## MISCELLANEOUS ANNUALS—Continued



A truly novel addition to the *Ageratum* group with its golden-yellow flowers. Especially good as a bedding or border plant.

### AGERATUM—Continued

- Blue Perfection.** 10 to 15 in. Large flower heads. Trade pkt., 15c; 1 oz., 85c.
- Imperial Dwarf White.** 10 to 12 in. Fairly even medium dwarf, large flowered white. Tr. pkt., 15c; 1 oz., 60c.
- Little Blue Star.** 8 to 10 in. Small flowered light blue. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.
- Tall Blue.** 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., 15c; 1 oz., 40c.

### ALYSSUM

90,000 S. According to our annual trials, the following are the finest reselected strains available.

- \***Carpet of Snow.** (*Procumbens Snowcloth*). Well named, very dense flat masses of white flowers, 3 to 4 in. high by 8 in. wide. Exceptionally even strain. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 oz., \$2.25.
- \***Violet Queen.** (New). A true deep lilac Alyssum of the dwarf, compact type found in Lilac Queen but much deeper in color. Anyone who uses Lilac Queen should change to this new deep variety. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25.

- \***Little Gem.** 5 in. Dense flower heads but not spreading. Tr. pkt., 15c; 1 oz., 50c; 4 ozs., \$1.75.
- Lilac Queen.** 5 in. Same as above but light lilac turning deeper in fall. Tr. pkt., 15c; 1 oz., 50c.
- Maritimum** (*Sweet Alyssum*). 10 in. Medium tall strain. Tr. pkt., 10c; 1 oz., 25c; 4 ozs., 60c.
- For **Perennial Alyssum**, see page 42.

### AMARANTHUS

- 28,000 S. Attractively variegated leaved varieties preferring dry, open locations. Plants do better when not transplanted.
- Molten Fire.** 4 ft. Deep red variegated foliage. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.
- Salicifolius.** 30 in. (Fountain Plant or Willow Leaved Amaranthus). Tr. pkt., 15c; 1 oz., 75c.

### ANCHUSA

- Blue Bird** (*Capensis*). 1100 S. Attractive deep Forget-Me-Not blue flowers. 18 to 24 in. Tr. pkt., 15c; 1 oz., 60c.
- for **Perennial Anchusa**, see page 42.

### ARCTOTIS

- Brevescapa Aurantiaca.** 7700 S. 6 in. Single daisy-like orange flowers with dark centers. Tr. pkt., 35c; ¼ oz., 65c.
- Grandis.** 25,000 S. 2 to 3 ft. Single silvery white flowers with lilac shading and dark center. Tr. pkt., 15c; 1 oz., 50c.

### ASCLEPIAS

- Curassivica.** 2 to 3 ft. Produces clusters of orange-red flowers from leaf axils. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

### ASPARAGUS

750 S. Our seed comes from a California specialist and germinates 65-75%. New crop available about Jan. 1st. Must have at least 65 deg. soil temperature for proper germination.

**Plumosus.** The finer textured variety.

**Sprengeri.**

Prices on above: 100 seeds, 25c; 250 seeds, 50c; 1000 seeds, \$1.35; 5000 seeds, \$5.00; 1 lb., \$9.00.

For **Baby's Breath**, see *Gypsophila*, pages 32 and 44 and *Euphorbia Corollata*, page 44.

### BALSAM (3300 S.)

- \***Double Bush Flowering Mixed.** 15 in. Because flowers are produced above the foliage, this class is by far the most attractive. Absolutely even in habit. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.15.
- Double Camellia-flowered Mixed.** 24 in. Tr. pkt., 15c; 1 oz., 60c.
- For **Bachelor Button**, see *Centaurea Cyanus*, page 27.
- For **Blue Lace Flower**, see *Didiscus*, page 30.

### BEGONIA

- \***Adeline.** Extra dwarf, small but free flowering bright pink. Tr. pkts. only, \$1.00.
- Albert Martin.** Large flowered bright carmine. Tr. pkt., 50c; ½ oz., \$1.75.
- \***Carmen.** The original bronze-leaved Begonia. Flowers a bright rose-pink. Tr. pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.75.
- Christmas Cheer.** Fairly dwarf crimson-scarlet. Tr. pkt., \$1.00; ¼ oz., 1.75; ½ oz., \$3.25.
- \***Darling.** Bright clear pink; large flowered and compact growth. Tr. pkt., \$1.00; ¼ oz., \$2.25; ½ oz., \$4.00.
- Elegant.** Unusually large, bluish pink flowers with darker edges. Tr. pkt., \$1.00; ¼ oz., \$2.00; ½ oz., \$3.50.
- Erfordia.** Free flowering clear pink. Tr. pkt., 50c; ½ oz., \$1.50.
- Essen.** Bright rose-scarlet flowers with green foliage. Tr. pkts. only, \$1.00.
- \***Fire Sea.** (Blaze of Fire.) Large fiery red with green foliage. Tr. pkt., \$1.00; ½ oz., \$2.00.
- Glorv of Erfurt.** Large bright carmine rose. Tr. pkt., 50c; ¼ oz., \$1.15; ½ oz., \$2.00.
- Glow.** Showy red flowers with green foliage. Tr. pkt., \$1.00.
- Ile de France.** A large, pure white flowered variety with light green foliage. Growth fairly compact. Tr. pkt., \$1.00; ¼ oz., \$2.00.
- \***Indian Maid.** Foliage a deep lustrous bronze with richly contrasting scarlet flowers. Dwarf habit. Tr. pkt., \$1.00.
- \***King of the Reds.** Glowing red flowers, green foliage, and a vigorous but dwarf and compact habit makes this variety valuable for pots or border work. A fine compact red Begonia. Tr. pkt., \$1.00; ¼ oz., \$2.25; ½ oz., \$4.25.
- Lightning.** Large carmine-scarlet flowers; deep green foliage. Tr. pkt., \$1.00; ¼ oz., \$1.50; ½ oz., \$2.60.

## MISCELLANEOUS ANNUALS—Continued



2½" *Semperflorens begonia* "King of the Reds," photoed Xmas Week from seed sown June 15. Grown in a 60° house. Large, attractive, red flowers with uniformly dwarf habit makes this variety especially choice at this or any other season.

### BEGONIAS—Continued

- Luminosa.** Deep scarlet with reddish brown foliage. Tr. pkts. only, \$1.00.
- Mignon.** Brilliant salmon-scarlet. Semi-dwarf. Tr. pkt., 50c; ½ oz., \$1.75.
- Prima Donna.** Light rose pink shading to carmine. Medium dwarf. Tr. pkt., \$1.00.
- Radio.** Large flowered carmine-scarlet. Tr. pkt., \$1.00; ½ oz., \$2.25.
- Scandinavia.** Large flowered pot plant strain; bushy habit with dark green foliage and pink flowers. Tr. pkt., \$1.00; ¼ oz., \$2.25.
- Scarlet Queen.** Large flowered scarlet with bronzy-green foliage. Tr. pkt., 50c; ½ oz., \$1.50.
- Vernon.** Deep blood-red with dark leaves. Medium dwarf. Tr. pkt., 35c; ¼ oz., 60c.
- White Pearl.** Large-flowered clear white. Medium dwarf. Tr. pkts. only, \$1.00.
- Mixture.** A complete mixture of all colors in the fibrous-rooted class. Tr. pkt., 50c; ½ oz., \$1.25.
- Tuberous Rooted Single Mixed.** Attractive shades of orange, rose, scarlet, etc. Large flowered. Tr. pkt., \$1.00.
- Tuberous Rooted Double Mixed.** Large Camelia-flowered double type in mixture of colors. Tr. pkt., \$1.50.
- Narcissus-Flowered (Tuberous-Rooted).** Flowers closely resembling *Narcissus* and about 3 in. across. Tr. pkt., \$1.00.

### BRACHYCOME

- IBERIDIFOLIA.** (Swan River Daisy). 140,000 S. 6 to 8 in. plants bearing small single flowers quite freely. Nice for edging.
- Azure Fairy.** Azure-blue, the most popular color. Tr. pkt., 15c; 1 oz., 85c.

**Mixture** of all colors in this class.  
Tr. pkt., 15c; 1 oz., 75c.

### BROWALLIA

65,000 S. Fine winter and spring pot plants. Nice also in beds and borders with some shade.

**Viscosa Compacta Sapphire.** More compact than the following with a profusion of small attractively light eyed flowers. Tr. pkt., 35c; ¼ oz., \$1.00.

- Speciosa Major.** 10 in. Standard blue variety. Tr. pkt., 50c.
- Speciosa Major Alba.** White form of above. Tr. pkt., 50c.

### CALCEOLARIA

(About 20,000 seeds per ½ oz.)

- \*Multiflora Nana Mixture.** Very uniform small-flowered and compact strain. At its best in small size pot—4 or 5 in. Tr. pkt., \$1.00; ¼ oz., \$2.25; ¼ oz., \$4.00.
- \*Dwarf Tigered and Spotted Mixed.** Uniformly dwarf tigered and spotted mixture. Very showy and attractive strain. Tr. pkt., \$1.00; ¼ oz., \$2.50; ½ oz., \$4.50.
- \*Grandiflora Mixture.** An attractive mixture of all colors available in the large-flowered tall class. Tr. pkt., \$1.00; ¼ oz., \$2.25; ½ oz., \$4.00.

- Triumph Strain.** A very excellent market variety. Tr. pkt., \$1.25.
- Albert Kent Hybrids.** Intermediate in flower size. Very excellent color range. Tr. pkt., \$1.00; ¼ oz., \$2.00.
- Albert Kent.** Flowers golden yellow with large red blotch on each. Tr. pkt., \$1.00; ¼ oz., \$2.50.
- \*Cloth of Gold.** Medium sized golden-yellow flowers very freely produced. Dwarf and very showy. Tr. pkt., \$1.00.
- Tigrina.** All flowers attractively tigered or spotted; medium size flowers and fairly tall growth. Tr. pkt., \$1.00.
- Monarch Strain.** A strong growing, attractively colored *Grandiflora* Mixture. About ten days later than regular mixtures but very fine. Tr. pkt., \$1.00; ¼ oz., \$2.25; ½ oz., \$4.00.
- \*Flower Cloud.** Very free-flowering semi-*Rugosa* type growth. Flowers medium small in bright shades of yellow, orange and brown. A good shipping strain. Tr. pkt., \$1.00.
- Perennial Hybrids.** (*Rugosa*). A very small-flowered type used for large exhibition work and for bedding in moderate climates. Tr. pkt., \$1.00.

### CALLA

- Elliottiana.** 450 S. The yellow *Calla Lily*. Seed germinates readily but requires two years' growth to flower. Tr. pkt., 50c; ¼ oz., 85c; 1 oz., \$2.75.

### CALLIOPSIS

- 90,000 S. Very free flowering dwarf bedding plants.
- Golden Wave** (Drummond). 12 in. Semi-double strain. Flowers 1 in., golden yellow with dark eye. Tr. pkt., 10c; 1 oz., 20c.
- Dazzler.** 6 to 8 in. Rich maroon margined golden yellow. Very bright combination. Tr. pkt., 15c; 1 oz., 50c.
- Dwarf Mixture.** 6 to 8 in. Attractive dwarf compact mixture of yellow and red shades. Tr. pkt., 15c; 1 oz., 30c.

### CAMPANULA (Annual)

- 50,000 S. These strains flower 6 months from sowing.
- Annual Canterbury Bells Mixture.** 2 ft. Annual form of the well-known perennial. Tr. pkt., 15c; ¼ oz., 20c; 1 oz., 65c.
- Fragilis.** Of graceful pendulous habit suitable for pots and hanging baskets; azure-blue. Tr. pkt., 50c.
- For **Perennial Campanulas**, see pages 42 and 43.

### CANDYTUFT 9500 S.

#### HYACINTH-FLOWERED.

**\*Giant White (Ball Strain).** We continue to handle exclusively our own greenhouse bred strain that is unsurpassed for uniformity and large flowers. Tr. pkt., 20c; ½ oz., 40c; 1 oz., 75c; 4 ozs., \$2.35; 1 lb., \$7.50.

- Miniature Gem.** A nice very early flowering rock or border plant. Same as above but 4 in. high. White. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

## MISCELLANEOUS ANNUALS—Continued

### CANDYTUFT—Continued

**UMBELLATA.** A popular spring cut flower. Sow in January, plant out 8 x 10 in. The starred (\*) varieties we find best for market growing.

\***Carmine** **Flesh-Pink** \***Rose Cardinal**  
**Crimson** \***Lavender** (Lilac) **White**

And our special **Formula Mixture.**

Each: Tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.00.

**Dwarf Hybrids Mixture.** An attractive 3 to 4 in. miniature of above. Very early. Tr. pkt., 15c; 1 oz., 50c.

For **Perennial Candytuft**, see *Iberis*, page 44.

### CARNATION

14,000 S. From an early sowing planted outdoors, preferably under cloth protection, and disbudded, these strains, with the exception of Engelmann's, will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

**Engelmann's Gold Medal Mixture** (Perpetual Flowering). A hybrid mixture of the Perpetual or greenhouse types containing many original colors. We handle only the originator's seed. Originator's pkt., \$1.50.

**Marguerite Double Mixture.** 15-20 inch. A very free flowering summer Carnation. Ours is a reselected strain of this old garden favorite. Tr. Pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

\***CHABAUD'S GIANT IMPROVED STRAIN.** Our trials this summer favored this reselected type to all others for greater percentage of large fully double flowers and trueness to color.

* <b>Cardinal Red</b> (Sparkler)	<b>Deep Salmon</b> (Aurora)	* <b>White</b> (Jeanne Dionis)
<b>Crimson</b> (Blood Red)	<b>Flesh-Pink</b> (Reine Rose)	<b>Yellow</b> (Marie Chabaud)
* <b>Deep Rose</b> (Rose Queen)	<b>Formula Mixture</b> of all colors in this class.	

Each: Tr. pkt., 30c; ¼ oz., 65c; 1 oz., \$2.25.

**ENFANT DE NICE.** A fine standard strain.

**Red, Salmon, White, Formula Mixture**  
Each: Tr. pkt., 50c; ½ oz., \$1.00.

For the hardy **Carnation Grenadin**, see page 43.

For **Castor Bean**, see *Ricinus*, page 36.

### CELOSIA

28,000 S. Easy to grow, fine for spring pot plants, beds, and borders as well as showy mass effects, all characterize Celosia and help to explain the rapid increase in popularity of this showy annual. For outdoor bedding and border work, seed may be sown direct as soon as warm weather sets in, or sown in pots earlier for transplanting. Recently introduced strains, especially in the dwarf classes, are very uniform in habit.

**Spicata.** 5 ft. Very narrow upright row. Bright rose flowers that dry well.

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

**PLUMOSA.** Plumed or feathery type producing spire-like branches mostly from base of plant. The new dwarf varieties are finding wide use both for bedding and as spring pot plants. The taller strains are very showy and may be used for cutting.

These two Feather varieties can be lifted to pots or transplanted from open ground when in full flower, much the same as hardy mums. This, of course, increases their value for decorative work.

\***Dwarf Fiery Feather** (Pyramidalis). 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.

\***Dwarf Golden Feather** (Pyramidalis). 15 in. Same as above but slightly taller and golden yellow.

\***Dwarf Feather Mixture.** A formula mixture of the above two varieties; ⅔ Fiery Feather, ⅓ Golden Feather.

Each: Tr. pkt., 25c; ⅓ oz., 60c; ½ oz., \$2.00.

### CELOSIA—Continued

**Flame of Fire.** 14 in. A fine dwarf compact strain. More solidly compact than above and some later flowering. Must be started early. Tr. pkt., 30c; ¼ oz., 75c; ½ oz., \$1.25.

\***Scarlet Plum.** 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

\***Golden Plum.** Tall. Same as above except in color. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

\***Thompsoni Magnifica.** Ours is a fine even strain of this popular variety with a complete color mixture. Tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$2.00.

**CRISTATA.** The popular Cockscomb type. Fine for specimen pot work in spring.

\***Empress** (Dwarf). 12 in. Large crimson combs with deep red-dish leaves. Tr. pkt., 25c; ¼ oz., 65c.

\***Golden Yellow** (Dwarf). 12 in. Yellow combs with light green foliage. Tr. pkt., 25c; ¼ oz., 50c.

**Glasgow Prize.** (Pres. Thiers). 12 to 15 in. Deep crimson combs set in bright green leaves. Tr. pkt., 25c; ¼ oz., 65c.

\***Dwarf Mixture.** 15 in. A choice mixture of all colors in this class with both light and dark foliage. Tr. pkt., 25c; ¼ oz., 65c.

\***Royal Velvet.** An absolutely uniform strain of semi-tall "Cockscomb" Celosia. Crimson combs borne well above foliage on 24 to 30 in. stems. Reddish green foliage. Fine for cutting or decorative work. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.60.

**Tall Mixture.** 40 in. Mixture of all colors in the tall class.

Tr. pkt., 15c; 1 oz., 65c.

**CHILDSII.** Chinese Woolflower. An attractively different type with knobs or ball-like formations on the end of each branch. 80% true.

<b>Crimson</b>	<b>Rose</b>	<b>Mixture</b>
Each: Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.		

### CENTAUREA

**Suaaveolens** (Yellow Sweet Sultan). 6700 S. Similar to the Imperialis type but not quite as tall and earlier flowering. 18 in. high, thistle-like flowers, bright yellow. Forces well indoors. Tr. pkt., 15c; 1 oz., 40c.

**CYANUS.** (Bachelor Button or Cornflower) 6500 s. Very free flowering; useful either for spring forcing (responds well to electric light forcing) or for June and July flowering outdoors from a fall sowing. We list only the finest reselected florists' strains available.

\***Blue Boy.** The standard market and garden variety.

\***Pinkie.** An attractive rose pink; otherwise identical to Blue Boy above.

\***Snow Man.** A clear white.

**Black Boy.** Deep maroon.

**Red Boy.** A deep carmine-rose.

**Formula Mixture** of above varieties.

Each: Tr. pkt., 15c; 1 oz., 40c; 4 oz., \$1.35; 1 lb., \$4.50.

**Jubilee Gem.** The dwarf, compact strain. 12 to 15 in. Deep blue. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

**IMPERIALIS** (Sweet Sultan). 7500 S. Thistle-like flowers, larger flowered than the Cyanus type.

<b>Amaranth Red</b>	<b>Deep Lavender</b>
<b>Brilliant Rose</b>	<b>White</b>
<b>Delicate Lilac</b>	<b>Formula Mixture</b>

Each: Tr. pkt., 15c; 1 oz., 50c.

**AMERICANA.** 2400 S. Still larger than the Imperialis. Valuable for retail growers but doesn't stand shipping well.

**Lilac**, the preferred color.

**White**, and **Mixture** of the two colors. Each: Tr. pkt., 15c; 1 oz., 50c.

**DUSTY MILLERS.** The white-leaved kinds for border work. *Cinara Maritima* Diamond also belongs in the Dusty Miller group. See next page.

## MISCELLANEOUS ANNUALS—Continued



The new Cleome, "Pink Queen" is an improved variety of the old-fashioned "Spider Plant."

### CENTAUREA—Continued

**Candidissima.** 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.50.

**Gymnocarpa.** 7300 S. 24 in. Heaviest and most rapid grower of the Dusty Millers. Tr. pkt., 15c; 1 oz., 50c.

For the hardy **Centaurea Montana**, see page 43.

For **Chinese Forget-me-not**, see *Cynoglossum*, page 30.

### CHRYSANTHEMUM (Annual)

9000 S. A valuable after 'Mum crop. Should be spaced at least 12 x 12 in. Respond especially well to electric light forcing. Germination apt to be slow and irregular.

**Burridgeanum** (*Carinatum*). White with crimson zone and brown eye.

\***Northern Star** (*Carinatum*). White with yellow zone, brown eye.

**Eastern Star** (*Segetum*). Pale lemon, golden zone with brown eye.

**Evening Star** (*Segetum*). Golden-yellow with yellow eye.

\***Eldorado** (*Segetum*). Golden-yellow with brown eye.

**Gloria Alba** (*Segetum*). White with yellow zone and yellow eye.

**Morning Star** (*Segetum*). Lemon with yellow zone yellow eye.

**Mixture** of all colors in this annual cut flower type.

Each: Tr. pkt., 15c; 1 oz., 30c.

For **Hardy Chrysanthemum**, see page 43.

### CINERARIA

A June sowing will make 5 in. pots for Xmas. The following comprises "All the Best" in varieties taken from our extensive annual trials.

**GRANDIFLORA.** 3,500 seeds per  $\frac{1}{2}$  oz. The large flowered fairly tall strain.

**Kermesina.** Crimson.

**Sanguinea.** Deep velvety crimson.

**Gigantea.** Crimson with white eyes.

Prices on above three varieties only: Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00.

### CINERARIA—Continued

**Dwarf Mixture** (*Grandiflora nana*). Considerably dwarfed and more compact than above varieties. A fine commercial strain. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.75.

\***Cremer's Prize Strain Mixture.** 6,300 seeds per  $\frac{1}{2}$  oz.

Medium to small flowers in large, wide heads. The standard market strain. We furnish originator's seed if requested. Tr. pkt., \$1.50;  $\frac{1}{4}$  oz., \$2.25;  $\frac{1}{2}$  oz., \$4.00;  $\frac{1}{16}$  oz., \$7.50.

\***Berlin Market (Weisensee strain) Mixture.** 3,500 seeds per  $\frac{1}{2}$  oz. Medium large flowered on compact plants. 90% light-eyed flowers. Fine market strain.

Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.60;  $\frac{1}{2}$  oz., \$2.75.

\***Multiflora nana Mixture.** 6,300 seeds per  $\frac{1}{2}$  oz. Small-flowered and dwarf growth. Fine for small pot sizes. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$1.65;  $\frac{1}{2}$  oz., \$3.00.

\***No. 1 Mixture.** A formula mixture made up by ourselves and consisting of equal parts Cremer's and Berlin Market Mixtures.

\***No. 2 Mixture.** Containing 50% Cremer's, 25% each Berlin Market and Multiflora nana Mixtures.

Prices on above two formula mixtures only: Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{2}$  oz., \$3.75.

### MISCELLANEOUS STRAINS.

**Eriksson's Private Stock.** A Chicago grower's Berlin Market strain. Originator's Tr. pkt., \$1.00.

\***Siter's Rainbow Strain.** Attractive light-eyed strain, dwarf. Tr. pkt., \$2.00.

**Giant Exhibition Mixture.** (Howard and Smith strain.) Our largest flowered and strongest growing strain. For large exhibition work only. Tr. pkt., \$1.00;  $\frac{1}{4}$  oz., \$2.75.

**Plenissima Double Mixed.** Round, ball-shaped double flowers. Of limited commercial value. Tr. pkt., 50c.

### DUSTY MILLER.

\***Maritima Diamond.** 10 in. Our finest Dusty Miller strain. Very white foliage and compact even growth. Tr. pkt., 15c;  $\frac{1}{4}$  oz., 25c; 1 oz., 85c.

### CLARKIA

**ELEGANS DOUBLE.** 90,000 S. A popular spring cut flower. Should be sown in January and grown in shallow flats, supported and disbudded to 2 or 3 spikes for long-stemmed flowers. Keep fairly dry after plants are about a foot high and don't feed.

**Albatross.** The best white.

\***Enchantress.** Pleasing shade of salmon-pink.

**Apple Blossom.** Light pink.

\***Brilliant.** Bright deep rose. Good market color.

\***Orange King.** Excellent fully double orange-scarlet.

**Mixture** of all colors in this class. Each: Tr. pkt., 15c; 1 oz., 65c.

\***Salmon Queen.** Medium light salmon-pink.

### CLEOME

\***Pink Queen** (Spider Plant). A very interesting novelty garden plant that rated second high in this season's All America flower trials. Several attributes of this new Cleome point to its great possibilities as a decorative garden and border plant: grows equally well in any part of our broad country; flowers continuously from June to frost from an early spring sowing; freedom from insects and disease. Grows to a height of about 4 ft.; flowers are a clear pink turning to white. Tr. pkt., 50c;  $\frac{1}{4}$  oz., \$1.00; 1 oz., \$3.00.

### COBAEA

**SCANDENS.** 375 S. A fine strong growing annual climber.

**Purple.** The preferred color. Tr. pkt., 15c; 1 oz., 50c.

**White.** Tr. pkt., 20c; 1 oz., 80c.

## MISCELLANEOUS ANNUALS—Continued

### COLEUS

\***Rainbow Mixture.** 3,500 seeds per  $\frac{1}{32}$  oz. A very excellent and our most popular strain of seedling Coleus. Altho of course seedling Coleus do not come true to any certain color type, their interesting and attractive variation of colors makes them of value in combination work as well as for specimen plants where no particular color type is required.

Tr. pkt., 35c;  $\frac{1}{16}$  oz., \$1.00.

### Glory of Vichy.

Tr. pkt., 35c;  $\frac{1}{16}$  oz., 75c.

### CONVOLVULUS (Morning Glory)

\***Royal Ensign.** (new) 2000 s. Belonging to the dwarf, compact growing Morning Glory family, this new variety fits in quite well for bedding or edging. Flowers of a deep ultra-marine blue with yellow zone and white throat—a really striking combination. Very free and continuous flowering and easily grown.

Tr. pkt., 50c;  $\frac{1}{4}$  oz., 90c.

For other **Morning Glories**, see **Ipomoea** on page 32.

\***Coral Flower.** A very nice filler material for bouquet work. Flowers are very small, freely produced on long stems (24 to 30 in.)—a bright carmine and are followed by small deep coral seed capsules that are really more attractive than the flowers. Plants are vigorous and fast growing, producing attractive, heavy spoon-shaped leaves. Very free flowering, a dozen or two flower spikes being produced on each plant. Quite fine seed.

Tr. pkt., 50c;  $\frac{1}{16}$  oz., \$1.00;  $\frac{1}{8}$  oz., \$1.75.

### COSMOS

**SENSATION.** 5000 s. The most satisfactory class of Cosmos to grow for cut flower purposes. Extra large flowered and extremely early, making it suitable for growing out-doors even in northern climates. Our strains as listed below are very uniform and true to color.

\***Pinkie.** Pink.

\***Purity.** Extra large flowered pure white.

Each of above: Tr. pkt., 20c;  $\frac{1}{4}$  oz., 35c; 1 oz., \$1.00.

\***Mixture** of above and other shades.

Tr. pkt., 20c;  $\frac{1}{4}$  oz., 30c; 1 oz., 80c.

**EXTRA EARLY EXPRESS.** 5000 S. Flowers in 45 days from an outdoor sowing.

**Pink** **White** **Mixture** of all colors.

Each: Tr. pkt., 15c; 1 oz., 65c.

**EARLY SINGLE MAMMOTH FLOWERED.** 5000 S. Ours are reselected strains in this standard large flowered class.

**Crimson Queen** **Rose Queen** **White Queen**

**Queen Mixture** of above colors.

Each: Tr. pkt., 15c;  $\frac{1}{4}$  oz., 25c; 1 oz., 75c.

**EXTRA EARLY DOUBLE ANEMONE-FLOWERED OR CRESTED.** 5000 S. Produces around 60% large crested flowers.

**Carnelia**, crimson; **Peach Blossom**, pink; **Whirlwind**, white; **Mixture.**

Each: Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75.

### COSMOS—Continued

**GIANT FLOWERED LADY LENOX.** 5000 S. The extra large flowered late blooming class.

**Pink** **White** **Mixture**

Each: Tr. pkt., 15c; 1 oz., 25c.

**HYBRIDA KLONDYKE.** 2800 S.

\***Orange Ruffles.** (new) Very similar to the popular Orange Flare listed below but each flower carries an extra row of petals (see photo) giving a ruffled or semi-double effect. A very attractive improvement over Orange Flare.

Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.50.

**Orange Flare.** Very early and free flowering and a fine bright orange color. Flowers with the Sensation type.

Tr. pkt., 15c;  $\frac{1}{4}$  oz., 25c; 1 oz., 75c.

**Orange.** The original extra late flowering orange variety.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 40c; 1 oz., \$1.25.

### CUPHEA

**Firefly.** 7000 S. A very attractive spring pot plant that may be planted out for bedding and border work. Our trials of it the past two seasons from a March sowing reached a height of 12 in. and covered themselves with small bright scarlet flowers throught the summer. Of dense compact growth.

Tr. pkt., 30c;  $\frac{1}{8}$  oz., 70c;  $\frac{1}{4}$  oz., \$1.25.

### CYCLAMEN

Altho we have practically no Cyclamen seed on hand at this writing, we have ample supplies contracted for that will be available for July and August delivery on all varieties listed below:

	100 Seeds	1000 Seeds	5000 Seeds
<b>No. 1 Dark Blood-Red</b>	\$1.75	\$16.00	\$70.00
<b>No. 2 Bright Red</b>	1.75	16.00	70.00
<b>No. 3 Pure Rose</b>	1.75	16.00	70.00
<b>No. 4 Soft Rose</b> with carmine eye. (Improved Rose of Marienthal).	1.75	16.00	70.00
<b>No. 5 White</b> with carmine eye	1.75	16.00	70.00
<b>No. 6 Pure White</b>	1.75	16.00	70.00
<b>No. 7 Bonfire</b> Brilliant salmon.	2.25	20.00	90.00
<b>No. 8 Salmon-Scarlet</b> (America Improved).	2.30	21.00	95.00
<b>No. 9 New Salmon-Rose Imp.</b>	2.25	20.00	90.00
<b>No. 10 Glory of Wandsbek</b> (Perle of Zehlendorf). Dark salmon.	2.20	18.00	80.00
<b>No. 11 Rose of Zehlendorf</b> Light salmon.	2.20	18.00	80.00
<b>No. 12 Orange Beauty</b> Orange-vermilion.	2.30	21.00	95.00
<b>No. 14 Morning Red</b>	2.20	18.00	80.00
<b>No. 15 Saffron-Red</b>	2.20	18.00	80.00
<b>No. 16 Saffron-Red, Silver Edge</b>	2.25	20.00	90.00
<b>No. 17 Striata</b> Mixed.	2.25	20.00	90.00
<b>No. 18 Mozart.</b> Deep pink.	2.30	21.00	95.00
<b>No. 19 Lavender</b>	1.75	16.00	70.00
<b>No. 20 New Ruffled</b> Especially attractive class.	2.30	21.00	95.00
<b>No. 21 Pink Pearl.</b> Salmon-pink.	2.30	21.00	95.00
<b>No. 22 (New) Rose of Alfeld</b> Salmon red; particularly recommended for cutting.	2.30	21.00	95.00
<b>Cristata.</b> Pure white feathered.	2.20	18.00	80.00
<b>Mixture</b> of above colors.	1.65	15.00	65.00
<b>VOGT'S DOUBLE STRAIN.</b>			
We handle only Mr. Vogt's seed of this attractive double type.			
<b>Mixture</b> of all colors.			
All above priced at: 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$14.00; 1000 seeds, \$25.00.			

## MISCELLANEOUS ANNUALS—Continued



*Cynoglossum Firmament, a fine dwarf garden plant.*

### CYNOGLOSSUM

AMABILE (Chinese Forget-me-not). 5000 S. 24 in.

**Firmament.** A very generally satisfactory, free flowering, compact Cynoglossum. 15 to 20 in. and flowers early and continuously. Of fine bushy, base-branching, yet compact habit. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

\***Blue Bird.** An improved strain, more strongly upright in habit than the following. A week to 10 days later flowering. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

**Blue.** Tr. pkt., 15c; 1 oz., 30c.

**Pink.** Tr. pkt., 15c; 1 oz., 50c.

### CYPERUS

**Alternifolius.** (Umbrella Plant). 60,000 S. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### DAHLBERG DAISY

A delightful, compact edging plant producing a profusion of small, yellow flowers continuously from late spring until frozen out in the Fall. Individual plants are very symmetrical, reaching a height of 6 to 10 inches and a spread of 12 to 14 in. Altho we have been able to send a few trials to some interested customers the past two seasons, we have, for the first time, an ample supply of seed for wide distribution this season. Tr. pkt., 50c; ⅛ oz., \$1.25; ¼ oz., \$2.25; 1 oz., \$8.00.

### DAHLIA

2800 S. Seedling strains are enjoying an ever increasing popularity as outdoor bedding stock, especially the dwarf Unwin and Coltness strains. Choice specimens may, of course, be tuber propagated. Flowers first season from an early sowing.

\***Unwin's Dwarf Hybrids.** 18 in. Ours is an especially reselected strain for even dwarf habit and attractive colors of this popular variety. Double and semi-double with a particularly wide range of bright colors. Should be sown from Oct. to Feb. 1 and carried in a warm house for spring pot plants. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.

**COLTNESS STRAIN.** 18 in. Single. Uniformly dwarf and true to color and quite free flowering.

**Yellow Scarlet Gem**

Each: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

**Mixture of all colors.**

Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

For **Daisies**, see Felicia, next page, Agathe, page 24.

For **Perennial Daisies**, see page 43.

For Annual Delphinium Chinensis Varieties, see page 22.

### DIANTHUS 25,000 S.

**Annual Sweet William.** (D. barbato-sinensis). 12 in. Single mixed. Tr. pkt., 15c; 1 oz., 60c.

\***Sweet Wivelsfield Single Mixed.** 12 in. Probably the most popular of the annual Dianthus.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**Sweet Wivelsfield Double Mixed.** Same as above but most flowers either semi- or double.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**HEDDEWIGI** (Double Japanese Pinks). 10 in. Fine for rock garden and border work.

**Fireball.** Deep scarlet.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**Pink Beauty.** Blush-pink.

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

\***Snowdrift.** Extra large flowered pure white.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**Imperator Mixture** of all colors in this double class.

Tr. pkt., 15c; 1 oz., 50c.

\***Laciniatus Splendens.** Single. Extra large brilliant crimson flowers with large contrasting white eye.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

For **Hardy Dianthus**, including Latifolius Atroc., see page 43.

### DIDISCUS

**Coeruleus** (Blue Lace Flower). 10,000 S. Used extensively for indoor spring forcing as well as outdoors in cool climates.

Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

### DIMORPHOTHECA

**Aurantiaca Hybrids Mixed.** 9500 S. 6 to 10 in. 2 in. single daisy-like flowers in bright yellow, buff and orange shades.

Tr. pkt., 20c; 1 oz., 75c.

### DRACAENA

**Indivisa.** 1500 S. The narrow-leaved and most popular variety.

Tr. pkt., 15c; 1 oz., 40c; 4 ozs., \$1.25; 1 lb., \$4.00.

**Australis.** 1000 S. The broader-leaved kind.

Tr. pkt., 20c; 1 oz., 85c.

For **Dusty Miller**, see Cineraria and Centaurea, page 28.

## MISCELLANEOUS ANNUALS—Continued



*Dahlia, Unwin's Dwarf Hybrids. A fall sowing will produce fine tubers for following spring.*

### ECHIU

**Blue Bedder.** 6500 S. 12 in. Very early blooming annual producing tiny bell-shaped blue flowers thruout the summer until frost. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

### ESCHOLTZIA

**Aurantiaca.** 20,000 S. 1 ft. The true California Poppy. Rich orange. Tr. pkt., 15c; 1 oz., 30c.  
For **Bush Escholtzia**, see Hunnemannia, page 32.

### EUPHORBIA

**Variegata.** 2500 S. The popular Snow-on-the-Mountain. Tr. pkt., 15c; 1 oz., 30c.  
**Heterophylla.** (Annual Poinsettia or Mexican Fire Plant). 5000 S. 36 in. Makes solid green hedge with small Poinsettia-like formations at tips of branches. Tr. pkt., 15c; 1 oz., 50c.  
For the **Hardy Euphorbias**, see page 44.

### \*EXACUM

**Affine.** 27,000 S. per ½ oz. An easily grown, neat, and attractive pot plant. Richly fragrant violet-blue flowers. Very fine seed. Tr. pkt., \$1.00.

### FELICIA

**Bergeriana.** 150,000 S. (King Fisher Daisy). The dwarf blue daisy for pot and conservatory work. 6 in. Germination apt to be slow and irregular. Tr. pkt., 35c.  
For **Forget-me-not**, see Cynoglossum, page 30, and Myosotis, pages 34 and 45.

### GAILLARDIA

**PICTA.** 14,000 S. Annual Gaillardia. Fine free flowering brightly colored material for beds or borders.  
**\*Indian Chief.** 12 to 15 in. An even and very free flowering single strain with solid red flowers. Tr. pkt., 15c; 1 oz., 50c.  
**Lorenziana Double Mixed.** 12 in. Quite attractive and free flowering double strain of orange, yellow, red, and rose shades. Tr. pkt., 15c; 1 oz., 35c.  
For **Perennial Gaillardia**, see page 44.

### GERBERA

**Jamesoni Hybrids.** A long lasting popular and valuable greenhouse forcing crop. Our seed is harvested several times a year from California, enabling us to furnish fresh seed at all times. 100 seeds, 40c; 500 seeds, \$1.75; 1000 seeds, \$3.00.

### GILIA

**Capitata.** (Blue Thimble Flower). 100,000 S. 24 in. Ball-shaped blue flowers. Attractive feathered foliage. Tr. pkt., 15c; 1 oz., 25c.

### CODETIA

95,000 S. Require shallow soil for greenhouse use. Culture about like Clarkia.  
**Sweetheart.** Double Poppy-like flower; clear pink. 18 in. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.75.  
**\*Sybil Sherwood.** (Double) Bright salmon-pink edged white. 18 in. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.75.  
**Thunderbolt.** (Single) Deep crimson. Dwarf. 12 in. Tr. pkt., 15c; 1 oz., 85c.  
**Duchess of Albany.** (Single) Pure satiny white. Large flowered. 18 in. Tr. pkt., 15c; 1 oz., 60c.  
**Tall Double Mixture.** Long-stemmed mixture for cutting. Tr. pkt., 15c; 1 oz., 50c.

### GOMPHRENA (Globe Amaranth)

**Mixture of colors.**  
Tr. pkt., 15c; 1 oz., 25c.

### ORNAMENTAL GOURD

Easily grown; when properly dried and varnished, last indefinitely. We'll be glad to send you a circular written by Louis La Montagne of Woburn, Mass., outlining his practical method of growing the fine exhibition Gourds for which he is famous. Ask for it when you order.

**\*La Montagne Strain.** 475 S. The finest selected strain of mixed Gourds we have tried. We handle originator's seed.  
Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50.

### LARGE VARIETIES. 135 S.

**Calabash.** (Pipe or Powder Horn Gourd). Light green. 10 in. long and tapering to bottom.  
**Dipper.** Light green, slightly mottled white. 18 to 24 in. long and very slender.  
**Sugar Trough or Corsican Gourd.** Light green, turning to white. 4 in. high by 6 to 8 in. wide.  
Each: Tr. pkt., 10c; 1 oz., 25c.

### SMALL VARIETIES. 450 S.

**Small Bottle.** Greenish white, about the shape of a small bottle. 2 to 4 in. high and 1 to 2 in. thru.  
**Orange.** About color and shape of an orange. 2 in. in diameter.  
**Pear.** Striped alternately with green and yellow bands with some white markings. About 2 in. high and 1 in. thru.  
**Spoon.** More or less spoon-shaped. Orange and white striped. 4 to 6 in. long by 1 in. wide.  
**Warted Types Mixed.** Not over 4 in. in diameter. A novel and attractive mixture.  
Each: Tr. pkt., 10c; 1 oz., 30c.

### GREVILLEA

**Robusta** (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in 60 deg. house will make nice 5 in. pot specimens by fall. Give bottom heat and a well drained soil. Valuable for combinations. Because it holds its foliage well, is being used with Poinsettias instead of Asparagus.  
Tr. pkt., 20c; 1 oz., 90c.

### GYSOPHILA

**ELEGANS.** (Baby's Breath). 24,000 S. We offer with confidence the following strains as the most uniform available. Altho the larger flowered varieties are attractive and fine, the smaller flowered ones outlast them for bouquet work.

## MISCELLANEOUS ANNUALS—Continued

### GYPSOPHILA ELEGANS—Continued

- \***Covent Garden Market.** Large and full petaled flowers. About 75% are 6 to 8 petaled. Very excellent stock. 1 oz., 25c; 4 ozs., 70c; 1 lb., \$2.00.  
\***Paris Market.** (Multiflora strain) Selected for uniformly small flowers that hold up well when cut. 1 oz., 20c; 4 ozs., 50c; 1 lb., \$1.60; 5 lbs., \$6.00.

- Carminea.** Same as Paris Market except a bright carmine pink. Tr. pkt., 15c; 1 oz., 25c.  
**Crimson.** Same as above but a carmine-crimson. Tr. pkt., 15c; 1 oz., 25c.  
**Muralis.** 750,000 S. A very neat densely rounded bush, 4 to 6 in. high and covered with tiny pink flowers. Tr. pkt., 15c. For **Hardy Gypsophila**, see page 44.

### HELIANTHUS (Sunflower)

- \***Sungold (new).** A considerably improved strain of the following. Practically 100% double flowered and uniform in height. Medium height, growing to 4 to 5 ft. when flowering. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.  
**Dwarf Chrysanthemum-Flowered.** 650 S. 40 in. Good proportion fully double yellow Sunflowers. Tr. pkt., 15c; 1 oz., 50c.  
**Russian.** 8500 S. Large single Sunflower. 1 oz., 10c; 1 lb., 50c.

### HELICHRYSUM

- MONSTROSUM.** 36,000 S. The popular double Strawflower.  

Canary-Yellow	Crimson	Fireball	Golden Globe
Rose-Carmine	Rose Queen	Salmon	White

  
**Formula Mixture** Each: Tr. pkt., 15c; 1 oz., 50c.



Extra large flowers and brilliant color characterize the Japanese Imperial Morning Glories as shown above.

### HELIOTROPE 50,000 S.

- \***Dwarf Regale Mixture.** 15 in. A fine even clear colored strain with extra large flower heads. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00.  
**Lemoine's Giant Mixture.** 24 to 30 in. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

### HOLLYHOCK (Annual)

- Indian Spring.** 13,000 S. 4 to 5 ft. Actually flowered in 5 months from seed sowing and continuously until frozen down. Flowers mostly on central spike with some growth and a few flower spikes coming up from base of plant. Colors light pink and rose; semi-double flowers. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.  
For **Perennial Hollyhock**, see page 44.

### HUNNEMANNIA

- FUMARIAEFOLIA.** 8000 S. (Bush Escholtzia).  
\***Sunlite.** Brilliant canary-yellow, semi-double. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.  
**Single Yellow.** Tr. pkt., 15c; 1 oz., 50c.  
For **Hardy Iberis**, see page 44 and Candytuft on pages 26 and 27.

### IMPATIENS

- Sultani.** 20,000 S. Bright rose. 18 in. Tr. pkt., 50c; ½ oz., \$1.00.  
**Holsti Liegnitzia.** Vermilion-red. Tr. pkt., 75c.  
**Holsti Hybrids.** Mixture. 55,000 S. Tr. pkt., 75c.

### IPOMOEA (Moonflower or Morning Glory)

With the introduction of the popular Heavenly Blue, and the new white and crimson varieties, this old-fashioned climber is coming rapidly back into favor.

- \***Pearly Gates (new).** Awarded highest award in the past season's All-America trials. Identical to the popular Heavenly Blue but flowers are a clear white with some creamy shading toward throat. A fine extra early flowering white Morning Glory. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.00.  
\***Heavenly Blue.** 800 S. Clark's Mammoth Early Free Flowering Strain. Used considerably lately in 3 and 4 in. pots for Spring sales. Forces into full flower in this size pot from an early March sowing in a 60 deg. temperature. Must be supported on a stake. For outdoors should be planted in a poor soil. Tr. pkt., 20c; 1 oz., 65c; 4 ozs., \$1.75.  
\***Cornell.** A large flowered bright Carnelian red with white edge. Fine strong grower and fairly early flowering. Tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.25.

- Crimson Rambler.** Bright carmine-red with attractive white center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.  
**Scarlett O'Hara.** 650 S. Large flowered, brilliant carmine-red variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.  
**Rose Marie.** 1100 S. Double deep rose. Quite free and early flowering. Tr. pkt., 20c; 1 oz., 75c.  
**Quamoclit (Cardinal Climber).** 1000 S. Brilliant red flowers freely produced. An attractive annual climber. Plants must be planted close for wall coverage. Tr. pkt., 15c; 1 oz., 60c.  
**NOCTIFLORA.** 110 S. Large flowered white.  
**Black-seeded** **White-seeded**  
Each: Tr. pkt., 15c; 1 oz., 30c.  
For other **Morning Glory**, see Convolvulus, page 29.

### \*KALANCHOE

- \***Tom Thumb (new).** A dwarf and compact strain of the regular Kalanchoe as listed below. We think it considerably improves and will eventually replace the original variety because of its more compact habit. Tr. pkts. only (1000 seeds) priced at \$1.25.

## MISCELLANEOUS ANNUALS—Continued

### KALANCHOE—Continued

**Globulifera Coccinea.** Popular winter and spring flowering pot plant. Most profitable when flowered for Xmas; sow in Jan. or Feb., carry along in a light soil in a temperature of 55 to 60 deg. and cover with black cloth same as with Mums from 5 P.M. to 7 A.M. from Aug. 15 to Sept. 15. Very fine seed. Liberal Tr. pkt., 60c; 3 tr. pkts., \$1.35.

**KOCHIA** (Summer Cypress) 45,000 S.

**Childsii.** 24 in. This variety stays a clean fresh green thruout the entire season. Very attractive dense bushes. Tr. pkt., 10c; 1 oz., 20c.

**Trichophylla.** Turns red in Fall. Not quite so tall or symmetrical as above. Tr. pkt., 10c; 1 oz., 20c.

**LANTANA** 1300 S.

**Dwarf Hybrids Mixed.** 12 in. Must be sown early and with bottom heat. Tr. pkt., 20c; 1 oz., 75c.

For **Larkspur Varieties**, see page 21.

**LAVATERA**

**Loveliness.** 4500 s. (Splendens) Very attractive early flowering annual, with 2 in. Hollyhock-like single flowers of a deep salmon rose shade. Tr. pkt., 15c; 1 oz., 50c.

**LEPTOSYNE**

**Maritima.** 10,000 S. 18 to 24 in. Large Marguerite-yellow flowers. Tr. pkt., 15c; 1 oz., 75c.

**Stillmanii.** 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., 15c; 1 oz., 75c.

**LINARIA**

**MAROCANNA.** (Miniature Snapdragon).

**Fairy Bouquet.** 600,000 S. 10 in. Flowers very early and freely. Bright mixture of colors.

Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.25.

**LISIANTHUS**

**Russelianus.** Violet-blue tulip-like flowers on plants 10 to 12 in. high with an upright and compact, free flowering habit, are important attributes of this comparatively new plant. Tr. pkt., 75c.

**LOBELIA**

700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelia are unsurpassed for bright blue and white edging, hanging and trailing work. All varieties come quite true.

**COMPACTA.** 6 in. Of dwarf compact habit.

\***Blue Gown.** Standard free flowering deep blue. Very fine. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

**Blue Stone.** Deep blue, nearly same as above. Tr. pkt., 25c; ¼ oz., 75c.

**Cambridge Blue.** Very dwarf, restricted light blue. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

\***Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Emperor William.** Deep blue with light green foliage. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.60.

\***Mrs. Clibran Imp.** Deep blue with contrasting white eye and light foliage. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$3.00.

\***Opal.** Altho slightly stronger growing than other compact varieties, Opal is much freer flowering. Light blue with contrasting white eye. Tr. pkt., 35c.

**Mixture** of all colors in the compacta class.

Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**PENDULA.** Of trailing or pendulous habit.

\***Hamburgia.** Deep blue with dark green foliage.

Tr. pkt., 35c; ¼ oz., \$1.00.

For **Perennial Lobelia**, see page 44.

For **Love Apple**, see Solanum, page 38.



Showing spikes of the new Giant King class of annual Lupine—the class to stay by for greenhouse cutting.

### LUPINE

A good spring crop of the annual type can be flowered in 3 in. pots from a Jan. sowing spaced close so as to flower one spike to a plant. We prefer the Kingis.

**Luteus Romulus.** 300 S. Dwarf richly fragrant yellow. 15 in. Tr. pkt., 15c; 1 oz., 45c.

**Sulphureus Superbus.** 600 S. 24 to 30 in. Yellow for cutting. Tr. pkt., 15c; 1 oz., 45c.

\***GIANT KING.** 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegis.

\***Oxford Blue.** Standard rich deep blue. **Sky Blue.**

**Heliotrope.** A pleasing rosy purple shade. **White.**

**Mixture** of above colors.

Each: Tr. pkt., 20c; 1 oz., 50c; 4 ozs., \$1.35.

**HARTWEGI.** 1400 S. The standard cut flower strain.

**Dark Blue, Roseus, Sky Blue, White, Mixture.** Each: Tr. pkt., 15c; 1 oz., 35c; 4 ozs., \$1.00.

For **Perennial Lupine Polyphyllus**, see page 45.

For **Marigolds**, see pages 14 and 15.

### MECONOPSIS BAILEYI

A blue poppy from the Himalayan Mts. Requires at least partial shade and a cool climate.

Tr. pkt., 50c; ½ oz., \$1.25; 1 oz., \$8.00.

## MISCELLANEOUS ANNUALS—Continued

### MIGNONETTE

27,000 S. May be sown in January for spring cutting, altho a fall sowing is better.

\***Ball Strain.** Considerably whiter and 2 to 3 weeks earlier than New York Market.

½ Tr. pkt., 60c; Tr. pkt., \$1.00; ¼ oz., \$1.75.

New York Market. A standard cut flower strain.

Tr. pkt., 75c; ¼ oz., \$1.50.

MACHET. For summer bedding.

**Golden Goliath, Goliath Red.**

Each: Tr. pkt., 15c; 1 oz., 85c.

### MYOSOTIS (Forget-me-not)

**Ball Early.** 44,000 S. Flowers considerably earlier from a mid-winter sowing than others listed in the perennial list.

Primarily intended as a fall sown winter flowering cut flower. Makes nice early flowering plants from a mid-winter sowing.

Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$2.85.

For other *Myosotis*, see perennial list, page 45.

### NASTURTIUM

Brilliant colors, free flowering habit, and good stems are reasons why the Double Sweet Scented class has been so generally accepted by the home gardener as well as the florist who shouldn't be without them in the spring for combination work, window boxes, as well as cutting.

**DOUBLE GLEAM TYPE.** 175 S. Of trailing or climbing habit for cutting, trailing, and window box work.

\***Golden Gleam.** The original Gleam Nasturtium; golden yellow. 1 oz., 15c; 4 ozs., 35c; 1 lb., \$1.00.

\***Scarlet Gleam.** Same as above but a brilliant scarlet.

1 oz., 15c; 4 ozs., 35c; 1 lb., \$1.00.

**Moon Gleam.** Light golden cream.

1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.25.

**Salmon Gleam.** Delicate golden-salmon.

1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.25.

**Fire Gleam.** Fiery scarlet.

1 oz., 15c; 4 ozs., 35c; 1 lb., \$1.00.

**Orange Gleam.** Deep glowing orange.

1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.25.

\***Gleam Hybrids.** A brilliant mixture of all double varieties.

1 oz., 15c; 4 ozs., 35c; 1 lb., \$1.00.

**DWARF DOUBLE TYPE.** 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive dwarf compact, rounded growth. 12 to 15 in. high.

\***Golden Globe.** Same color as Golden Gleam.

1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.25.

**Scarlet Gem.** Brilliant scarlet.

1 oz., 20c; 4 ozs., 65c.

**Mixture of all colors in this dwarf class.**

1 oz., 15c; 4 ozs., 40c; 1 lb., \$1.25.

**SINGLE VARIETIES.** 225 S.

**Dwarf Mixture of all colors in the dwarf class.**

1 oz., 10c; 4 ozs., 30c; 1 lb., 90c.

**California Giant Single Mixture of colors in the tall, trailing class.** 1 oz., 10c; 1 lb., 75c.

### NEMESIA Strumosa Suttoni. 90,000 S.

**GRANDIFLORA.** Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work. Varieties come quite true and are used for greenhouse forcing.

\***Blue.** A standard color. **Cherry Red.**

\***Orange.** A bright orange. **Rose, Scarlet, White.**

Each: Tr. pkt., 25c; ¼ oz., 75c.

**Mixture of all colors in this tall class.**

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**NANA COMPACTA.** Of more dwarf habit, 6 to 8 in. Branches freely from the base, making attractive rounded specimens. Excellent for pots and short combination work.

**Aurora.** Attractive carmine-crimson with white.

\***Blue Gem Imp.** An extra compact light blue.

**Brightness.** A bright cherry red.

**Fire King.** Scarlet.

**Orange Prince.** A rich bright color.

**White Queen.** Large flowered pure white.

Prices on above each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., 90c.



Picking "All the Best" in Pansies in our West Chicago trials. Domestic strains are improving annually and in most cases will be as good as those formerly produced abroad according to our observations. Scribes left to right: Vic Ball, Chuck Salt and Geo. Ball, Jr.

### NEMESIA—Continued

\***Triumph Mixed.** A very attractive dwarf mixture with a wide range of well balanced colors. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

### NICOTIANA (Tobacco Plant)

275,000 S. Sweet Scented.

\***Suaveolens.** 18 in. A dwarf and compact small flowered white. Tr. pkt., 25c; ¼ oz., 75c.

**AFFINIS.**

**White.** 36 in. Tall and large flowered.

Tr. pkt., 15c; 1 oz., 50c.

\***Crimson Bedder.** 15 in. Makes a very compact growth and very free flowering. Deep crimson red.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Hybrids Mixture.** A hybrid mixture of many shades in the tall large flowered type. Tr. pkt., 15c; 1 oz., 40c.

### NIEREMBERGIA

\***Purple Robe (new)** Received a bronze medal in the All-America flower trials of the past season. Very similar to the original *N. Hippomanica* (*Coerulea*) as listed below except in color which is considerably deeper and not subject to fading under strong summer sun. Color a fairly deep bluish lilac. Our trial of *Purple Robe* the past summer was not as free flowering as was *N. Hippomanica*; otherwise identical except in color.

Tr. pkt., 75c; ½ oz., \$2.00; ¼ oz., \$3.50.

**Hippomanica.** (*coerulea*) 5,500 S. per ½ oz. Continues one of the outstanding introductions to the bedding plant list in recent years. Very free flowering; does well in slight shade as well as open sun; a dwarf, compact growth (5 to 6 in.) that is maintained uniformly in nearly all strains available. Bright lavender-blue color, deepening some in slight shade.

Tr. pkt., 50c; ½ oz., \$1.50; ¼ oz., \$2.75.

## MISCELLANEOUS ANNUALS—Continued

### NIGELLA (Damascena Double) 11,000 S.

**Miss Jekyll.** (Love-in-a-Mist). Cornflower-blue.

**Mixture** contains shades of light and dark blue and white.

Each: Tr. pkt., 10c; 1 oz., 50c.

For **Ornamental Pepper**, see *Solanum*, page 38.

## PANSIES

(25,000 seeds per ounce.)

Altho the shutting off of our European sources of supply has affected our list of available Pansy seed, we are glad to report that the following very complete list of important varieties is available as indicated from tested 1941 crop and ready for immediate delivery. A January sowing of both Pansies and Violas will make nice small flowering plants to sell out of flats or pots in late spring and early summer.

For larger plants a Fall sowing is advisable.

**\*Ball Giant Mixture.** Our well-known, excellent all-purpose mixture. This mixture is based on the best Roggli Giants we have been able to find. To it is added Swiss blue, Coronation Gold, and Swiss white in proportions to give the necessary balance of all colors. Our best all-purpose mixture. Tr. pkt., 40c; ¼ oz., \$2.00; ½ oz., \$3.50; 1 oz., \$6.00; 4 ozs., \$22.00.

**Ball Giant Mixture Dwarf Strain.** Distinctly dwarf and full of attractive Roggli colors. A choice dwarf mixture. Tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.50; 1 oz., \$6.00; 4 ozs., \$21.00.

**Roggli Giant Mixture.** A fine bedding strain with mixture predominating in rich red and bronze shades. Tr. pkt., 50c; ¼ oz., \$2.25; ½ oz., \$3.75; 1 oz., \$6.50.

We also supply the Swiss originator's seed as follows: Tr. pkt., \$1.10; ¼ oz., \$2.35; ½ oz., \$4.65; 1 oz., \$6.50; 1 oz., \$12.75.

**\*Ball Winter Flowering.** This is our own development thru single plant selections on the original Don Pansy. We have greatly improved it in size and coloring and some in stem and vigor of growth. If sown about Aug. 1, grown in enriched light soil cool house 45-48 degrees nights, Ball Winter Flowering Pansies will get up 3-4 ft. and should be supported accordingly. ½ tr. pkt., 60c; Liberal tr. pkt., \$1.00; ½ oz., \$2.00; ¼ oz., \$3.50.

**Geneva Giants.** A fine domestic Swiss strain. Outstanding in our trials for rich colors. Tr. pkt., 75c; ¼ oz., \$2.50; 1 oz., \$8.50.

**Dwarf Geneva Giants.** Similar to regular Geneva Giants (above) but even more uniformly compact in habit. Tr. pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$10.00.

Following two varieties originated by Carl Engelmänn, Saffron Walden, England, and seed we supply is grown by him.

**Engelmänn's Giant Mixture.** A splendid mixture of real Giants in a full range of good Pansy colors. In size and colors, quite outstanding. We offer the originator's seed. Tr. pkt., 50c; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$8.00.

**Engelmänn's Special.** Distinctly dwarf 5-blotched strain. Rich coloring and compact habit. Originator's seed. Tr. pkt., 50c; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$8.00.

**\*Maple Leaf Giants.** Extra large flowered mixture of Giants. Good stems and extra heavy growth. Tr. pkt., 50c; ¼ oz., \$2.50; ½ oz., \$4.50; 1 oz., \$8.00.

**\*Canadian Giants.** A select Canadian stock of Maple Leaf Giants that it improves some in size. Tr. pkt., 75c; ½ oz., \$1.30; ¼ oz., \$2.50; 1 oz., \$9.00.

**Steele's Jumbo Mixture.** Extra large flowered strain of Giants; strong growth, and long stem. Tr. pkt., 75c; ½ oz., \$1.75; ¼ oz., \$3.25; ½ oz., \$6.25; 1 oz., \$12.00.

**Improved Swiss Giants.** Choice colors combine with nice size and stem to make this well-known strain excellent for all purposes. Tr. pkt., 50c; ¼ oz., \$2.25; 1 oz., \$8.00.

**Donovan's Strain.** As it checks out in our trials, this is an extra compact, fairly large flowered strain of attractive colors. A popular strain for bedding. We supply originator's seed. Tr. pkt., 75c; ¼ oz., \$3.00; 1 oz., \$10.00.

SWISS GIANTS in separate colors.

**\*Coronation Gold.** The best true golden yellow. Tr. pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$10.00.

**Alpenglow.** Rich garnet red. Tr. pkt., 50c.

**Rhinegold.** Large yellow with dark center. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$7.00.

**Lake of Thun.** Fairly deep blue with dark center. Tr. pkt., 50c.

**Mt. Blanc.** Best white in the Swiss Giant class. Tr. pkt., 50c.

### PENTSTEMON (Beard Tongue) 55,000 S.

**Sensation Mixture.** Tr. pkt., 35c; ¼ oz., 80c.

For **Ornamental Pepper**, see *Solanum*, page 38.

### PHLOX Drummondii (Annual)

14,000 S. For ease of culture, brilliant, positive colors and strains that come true, annual Phlox Drummondii can't be beaten. We regularly sow our Phlox trials here at West Chicago right out in the field about the end of May, and they are a riot of color in early August. Certainly this can be said of few outdoor bedding plants that stand our hot mid-summer conditions! The Grandifloras have some value for cutting too. Phlox don't stand transplanting well when their roots have to be disturbed which means sowing in April in pots or our new plant bands for earlier outdoor flowering.



*Phlox should be sown direct in our latitude for best results outdoors.*

**GRANDIFLORA.** 15 to 18 in. Fine free flowering bedding and border material. Also fine cutting material.

**\*Chamois Rose.** A nice soft pastel chamois with deep center.

**Coccinea.** Fiery red.

**Isabellina.** Creamy yellow.

**Leopoldii.** Fairly deep rose with white center and dark eye.

**Lilac** with white eye. A pleasing shade.

**\*Rosea.** Medium rose-pink with dark center.

**\*White.** A clear color.

**Special Mixture** of all colors in this tall class.

Each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.50.

**GIGANTEA.** A comparatively new type in tall Phlox. Flowers 50% larger than other types. Strong growing and free flowering.

**\*Red Glory.** (new) Awarded an Honorable Mention in the All-America flower trials of the past season. Color a bright scarlet red with large contrasting white eye. A valuable addition to the large-flowered Gigantea class. Tr. pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.25; 1 oz., \$8.00.

**Rosy Morn** (New; received bronze medal in All-America trials.) A particularly bright, clear rose pink with large white eye. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

**Salmon Glory.** Rich soft salmon-rose with creamy white eye. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.25.

**Art Shades Mixture.** Large flowered mixture of pastel shades with white eyes. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**NANA COMPACTA.** 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

**Apricot.** Deep apricot-cream shade.

**Chamois.** Soft pastel shade with deep center.

**\*Fireball.** Really fiery crimson.

## MISCELLANEOUS ANNUALS—Continued

### PHLOX—Continued

\***Mirabilis.** Attractive bright salmon-rose.

**Sky Blue** with white eye.

\***Snowball.** Good clear white.

Each: Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.75.

\***Cecily Mixed.** A very popular semi-dwarf mixture. Very even. Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.75.

**Mixture** of all colors in this dwarf class.

Tr. pkt., 35c;  $\frac{1}{4}$  oz., 75c; 1 oz., \$2.75.

For **Perennial Phlox** *Decussata*, see page 45.

For **Pinks**, see *Dianthus*, pages 30 and 43.

### POPPY

**Annual Single Mixture.**

Each: Tr. pkt., 10c; 1 oz., 20c.

**ICELAND** (*P. Nudicaule*). 250,000 S. The standard type for greenhouse spring forcing. Sow either direct or in pots and transplant. Best cut flower strains starred (\*).

\***The Emperor.** Brilliant orange. Improves El Monte in flower size and long, stiff stems.

\***The Empress.** Same as above but in salmon-rose shades.

\***Yellow Wonder.** (Amurense). Large buttercup-yellow.

Each: Tr. pkt., 25c;  $\frac{1}{4}$  oz., 65c.

**El Monte.** Standard tangerine-orange.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75.

\***Sandford's Giants.** A fine standard Hybrid strain for greenhouse forcing. Brilliant color mixture.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 55c; 1 oz., \$2.00.

\***Giant Coonara.** (Unwin's). Extra large flowers on long stiff stems. Bright mixture of delicate Poppy shades.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 60c; 1 oz., \$2.00.

**Fakenham Hybrids.** Fine large flowered strain.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75.

**Gartref Strain.** Mixture of pastel shades with picotee edges.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 65c.

**SHIRLEY** (*P. Rhoeas*). 70,000 S.

\***American Legion.** Single orange-scarlet.

Tr. pkt., 15c; 1 oz., 35c.

**Sweet Briar.** (Double Begonia-flowered). Very nice deep rose-pink. Tr. pkt., 15c; 1 oz., 50c.

**Formula Mixture** of all colors in the Shirley class.

Tr. pkt., 15c; 1 oz., 50c.

For **Annual Poppies**, see perennial list page 45.

### PORTULACA

280,000 S. Very excellent easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer. The separate color strains come very true.

**Single Mixture.** Tr. pkt., 15c;  $\frac{1}{4}$  oz., 30c; 1 oz., \$1.00.

\***DOUBLE TYPE.** Our double strains produce 85-90% true double flowers and are quite even.

**Red** **White** **Yellow**

Each: Tr. pkt., 25c;  $\frac{1}{4}$  oz., 75c.

\***Mixture.** Special mixture of all brilliant *Portulaca* colors in the double type. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 60c; 1 oz., \$2.00.

For *Primula* Varieties, see pages 23 and 45.

### QUEEN ANNE'S LACE FLOWER

36,500 S. 24 in. Large heads of white flowers in umbels, similar to *Didiscus*. Nice filler for basket work. May be dried and dyed. Tr. pkt., 20c; 1 oz., 75c.

### RHODANTHE

13,000 S. 12 in. Semi-double everlasting flowers.

**Maculata Rose.** Dark centered. Tr. pkt., 15c; 1 oz., 40c.



Showing three *Petunia* plants in our Plant Bands, compared with potted plant started at same time.

### RICINUS (Castor Bean)

Very fast growing, tall, large leaved plants. Good for tall hedges and windbreaks.

**Borboniensis Arboreus.** 45 S. 10 ft. Reddish stems and veins. Small feathery white flowers in bunches.

1 oz., 15c; 4 ozs., 50c; 1 lb., \$1.50.

**Zanzibariensis Mixed.** 25 S. 10 ft. Foliage all green.

1 oz., 20c; 4 ozs., 60c; 1 lb., \$2.25.

### RUDBECKIA

85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange, and brown shades. Stands hot dry locations very well.

\***Starlight.** (new) Awarded Honorable Mention in last season's All-America flower trials. The only *Rudbeckia* strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Should be a nice cut flower item.

Tr. pkt., 50c;  $\frac{1}{16}$  oz., \$1.25;  $\frac{1}{8}$  oz., \$2.00.

**Hirta Autumn Tints** (Herbswald). Fine long-stemmed strain for cutting. Shades from clear yellow thru variegated types to brown. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75.

**My Joy.** Large single brilliant orange-yellow with dark centers. Fine cutting variety. Tr. pkt., 25c;  $\frac{1}{4}$  oz., 40c; 1 oz., \$1.50.

**Kelvedon Star.** Fine long-stemmed cutting strain. Yellow, orange, and mahogany shades with dark centers.

Tr. pkt., 25c;  $\frac{1}{4}$  oz., 50c; 1 oz., \$1.75.

For the hardy ***Rudbeckia Purpurea***, see page 46.

### SALPIGLOSSIS

125,000 S. Besides an attractive garden flower, *Salpiglossis* furnishes the retail grower with good cutting material either from a Feb. sowing indoors or a later one grown outdoors. If plants must be transplanted, the seed should be sown in pots. The advent of the new dwarf strains for bedding adds another use for this richly colored annual.

**EMPEROR.** 30 in. The tall kind for cutting.

**Brown and Gold**

**Violet and Gold**

**Rose and Gold**

**White and Gold**

**Scarlet and Gold**

**Yellow and Gold**

\***Mixture** of all colors.

Each: Tr. pkt., 15c;  $\frac{1}{4}$  oz., 30c; 1 oz., 80c.

**DWARF GIANT FLOWERED.** 20 in. Fine for bedding and borders.

**Blue and Gold**

**Scarlet and Gold**

**Mixture** of all colors in this dwarf class.

Each: Tr. pkt., 20c;  $\frac{1}{4}$  oz., 40c; 1 oz., \$1.25.

## MISCELLANEOUS ANNUALS—Continued



The new *Salvia* *Blaze of Fire*. Notice the ideal dwarf pot plant habit. Our earliest flowering variety.

### SALVIA

The advent of several new extra early flowering and dwarf strains the past seasons is adding impetus to Salvias as spring pot plants and also to their spring sales as bedding plants since they can now be sold as dwarf bushy plants and be in full flower in early spring. From our extensive annual *Salvia* trials, the past season, we offer the following list of varieties as the best available. Listed according to their flowering dates—earliest first. In selecting your varieties, the fact must be kept in mind that the extra early flowering varieties don't make as big a showing in the late summer and fall as do the later ones like *America* and *Bonfire*.

Altho *Salvia* seed supplies generally are very scarce and uncertain this season, we expect ample seed of the following varieties. Prices quoted are subject to change without notice however.

**SPLENDENS.** 12,000 S.

\***Blaze of Fire.** The standard extra early strain. A few days behind the new *St. John's* fire in flowering and of a considerably stronger and more robust growth. 15 to 18 in. outdoors. Tr. pkt., 75c; ¼ oz., \$2.25; 1 oz., \$7.50.

\***Firebrand.** (Early Harbinger). Third earliest variety. 20 in. Very early flowering and remains in full flower throughout the entire summer. Doesn't get ragged and messy in fall. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.25.

\***America** (Globe of Fire). 22 in. The standard dwarf bedding variety. Follows *Firebrand* closely in flowering date. Absolutely even stock. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.75.

**Bonfire.** 30 in. Medium tall. Very even. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

**Splendens Tall.** 36 to 40 in. Not early flowering. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

**Maroon Prince.** 30 in. Heavy maroon shade. Not early or extra free flowering. Tr. pkt., 50c; ¼ oz., \$1.25.

### SALVIA—Continued

**FARINACEA.** 24,000 S.

\***Royal Blue.** An improved strain of *Blue Bedder*. More uniform in growth with deeper blue flowers. We recommend *Royal Blue* be used for your blue *Salvia* planting. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.35.

**Blue Bedder.** (Blue *Salvia*). 36 in. with long stems for cutting. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

**Pale Blue.** Slightly lighter colored and not quite so compact. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.35.  
For *Perennial Salvia* Patens, see page 46.

### \*SANVITALIA

**Procumbens.** 50,000 S. 4 to 5 in. Double creeping *Zinnia*. Small golden yellow flowers. Very fine dwarf edging plant. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

### SAPONARIA

**VACCARIA.** 5,500 S. 18 in. *Gypsophila*-like flowers.

**White**

**Rose**

Each: 1 oz., 15c; 4 ozs., 35c.

For *Saponaria Ocyroides*, see page 46.

### SCABIOSA

4500 S. No retail grower should be without a liberal planting of annual *Scabiosa*. Long-stemmed, pleasing colors and free flowering make them valuable. Do very well for spring flowering in a cool house or out-doors during the summer where they are considerably improved by cloth house protection. Respond very well to electric lights in spring for earlier flowering. The following two are our finest strains and biggest sellers.

\***Blue Moon.** Fine lavender-blue color with extra large, fully double flowers and long, wiry stems. The standard market color. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

\***Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good cut flower colors. Use this mixture if you want only a small planting of *Scabiosa* for cutting. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

**Ageratum Blue.** Standard large-flowered azure blue.

**Fire King.** Bright scarlet.

**King of the Blacks.** Deep rich maroon.

\***Loveliness.** Extra large flowered deep salmon-pink.

\***Shasta Improved.** Fine pure white.

Prices on each above: Tr. pkt., 15c; 1 oz., 50c.

**DWARF CLASS.** Recently introduced and enlarged, this new type is finding use for bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

### SEED BUYER

Meet **GEO. BALL, JR., U. of Ill.** trained and thoroly grounded in trial ground work, he's well fitted for the vexing task of keeping up supplies of some 1500 items. His pet peeve: the German blockade.



## MISCELLANEOUS ANNUALS—Continued

### SCABIOSA—Continued

\***Heavenly Blue.** Clear Azure Blue. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

**Peace.** White. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

**Tom Thumb Mixture.** 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 20c; ¼ oz. 35c; 1 oz., \$1.00.

For **Perennial Scabiosa**, see page 46.



*SCHIZANTHUS, Ball Dwarf Strain.  
The attractive form and free-flowering habit of  
these plants have increased their popularity  
every year since their introduction.*

### SCHIZANTHUS

(60,000 seeds per oz.)

\***Ball Dwarf Mixture.** A distinctly dwarf and compact growing strain for small pots. Tr. pkt., 50c; ½ oz., \$1.50.

**Pansy-Flowered Mixture** (Danbury Park Strain). Flowers flat and full-petalled resembling small Pansy flowers. We supply originator's packets at 75c ea. Bulk seed grown from the originator's seed priced at: Tr. pkt., 35c; ½ oz., \$1.00.

**Dr. Badger's Improved Hybrids.** A large flowered strain of not-too-tall habit and exceptionally bright colors. Tr. pkt., 35c; ¼ oz., \$1.00.

\***Giant Blotched.** Noted for its brightly colored flowers, each having a bold, dark center that contrasts well with the bright pink and rose shades that predominate—habit fairly dwarf. Tr. pkt., 50c; ½ oz., \$1.25.

**Monarch Strain.** Extra large flowered and strong, robust growth. Attractive mixture of colors. Tr. pkt., 50c; ½ oz., \$1.00.

\***Ball Brilliant Blend.** A carefully blended mixture of the above varieties recommended for the grower who just grows a few hundred plants and wants a complete mixture. Tr. pkt., 35c; ½ oz., 75c; ¼ oz., \$1.15.

### SHAMROCK

**True Irish Shamrock.** 38,000 S. (*Trifolium Minor*). Sow Jan. 1st in Carnation house temperature (cooler after germination) for 2 in. St. Patrick's Day plants. Use 3 or 4 seedlings per pot. Tr. pkt., 15c; 1 oz., 50c.

### SMILAX

7800 S. Well known greenhouse climber.

Tr. pkt., 20c; 1 oz., 50c; 4 ozs., \$1.50.

For **Snow-on-the-Mountain**, see *Euphorbia*, page 31.

### SOLANUM

To insure an even, first class strain of this valuable pot plant we grow our own seed crop of these varieties at West Chicago where we can personally supervise selection and roguing. For well grown 4 in. specimens, sow seed in June, carry along indoors. Larger plants must be started earlier, of course. Some growers summer plants outdoors in frames, lifting and shifting into 5's and 6's in Sept.; a 50 deg. house should then set them up well for the holidays.

\***Variiegated Pepper.** An attractive novelty pot plant item. Growth upright and compact, leaves attractively variegated with white; fruit elongated and narrow, purple at first and turning a brilliant red. For large specimens put three plants in a 5 in. pot. Tr. pkt., 25c; ¼ oz., 75c.

\***Christmas Pepper** (Ball Reselected strain). 9,000 S. Compact plants with a profusion of cone-shaped fruit that are first green, later turning purple and then red. Selected for absolute evenness and large brilliantly colored fruit. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

\***Patterson Variety.** A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Because of its compact growth, well suited for the smaller-sized pot specimens. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

**Christmas Cherry.** 12,000 S. (Hlavecek's Masterpiece—Ball strain). A compact even strain, with large, full heads of large round red fruit. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**Bird's Eye Pepper.** 12,500 S. Not quite so compact as above strains. Produces many very small red berries. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Royal Crown.** A reselected Xmas Pepper strain. Tr. pkt., 35c; ¼ oz., 65c; 1 oz., \$2.40.

**Miniature Bell.** Interesting 1 to 2 in. bell-shaped fruit. Large plants. Tr. pkt., 35c; ¼ oz., \$1.00.

\***Love Apple.** (*Solanum integrifolium*) This is the plant producing the brilliant, orange-red berried branches that have appeared on wholesale flower markets recently. An annual shrubby plant growing to 3 ft. and producing long branches of fruits in the late summer from a spring sowing. Any good garden soil will suffice. Under side of leaves and stems covered with hooked spines. A very decorative, colorful material for arrangements. Tr. pkt., 50c.

### STATIC

Valuable annual cut flower varieties.

**Bonduelli Superba.** 350 seed heads per oz. Similar in type to *Sinuat* but with large yellow flowers.

Tr. pkt., 15c; 1 oz., 40c; 1 lb., \$4.00.

**Sinensis.** 17,000 S. 18 in. Pure white with small canary-yellow flowers. Quite attractive. Tr. pkt., 25c; 1 oz., 75c; 4 ozs., \$2.50.

## MISCELLANEOUS ANNUALS—Continued



*Verbena Bonariensis*, a valuable outdoor cut flower that produces an abundant crop of flowers during late July and August from a March sowing. No supporting necessary and any good garden soil is sufficient. Seed doesn't germinate satisfactorily in soil temperatures below 70-75°

**Suworowi.** (Russian or Rat Tail Statice). 12,000 S. Sow in Jan. for a late spring crop of this familiar rose Rat Tail Statice. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

**SINUATA.** 350 seed heads per oz. A midwinter sowing brings this attractive class into flower in late spring. Flowers grown outdoors for drying extensively in southern climates.



*Statice Suworowi*  
The pleasing rose-pink color of this "rat tail" type of *Statice* gives it distinctive cut flower and pot plant value.

**\*Market Crower's Blue.**  
Fine even deep blue. Excellent stock.

**Kampf's Tall Improved.**  
The standard long-stemmed blue.

**True Blue.** The standard blue.

**\*Lavender Queen.** A very pleasing shade of pastel lavender. Fine new color and good grower.

**Rosea Superba.** Rosy-lavender.

**Snow Witch.** A clear white selection from the old *Sinuata* White.

**\*New Hybrids Mixture.** A very attractive mixture of all the standard colors as well as many new hybrid shades.  
Each: Tr. pkt., 15c; 1 oz., 25c; 1 lb., \$2.50.

For **Perennial Statice**, see page 46.

For **Strawflower**, see *Acroclium*, page 24 and *Helichrysum*, page 32.

### STREPTOCARPUS

**Giant Flowered Mixture.** (Cape Primrose). Our original stock of this greenhouse winter flowering pot plant was grown by a German specialist; we are convinced no better is obtainable. Some similar to *Gloxinias* and with the same general culture necessary. Very fine seed that requires care in germinating. Tr. pkt., \$1.00.

For **Sunflower**, see *Helianthus*, page 32.

### THUNBERGIA

Excellent for an outdoor climber or for hanging baskets.

**\*Alata.** (Black-Eyed Susan). 1100 S. Very fine used as an annual climber, making a dense growth and producing an abundance of flowers in shades of yellow, buff, and orange—with black centers. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c; 4 oz., \$2.25.

### TITHONIA

**Speciosa** (Golden Flower of the Incas). 3500 S. Winter flowering in a Carnation house with roots confined to a shallow raised bed. Attractive single orange-red flowers. Early flowering strain. Tr. pkt., 25c; ¼ oz., 75c.

**Speciosa, Fireball.** Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

For **Tobacco Plant**, see *Nicotiana*, page 34.

### TORENI

375,000 S. Rich combination of deep blue with deeper blotches on lip. Nice spring pot or outdoor bedding plant.

**Fournieri Grandiflora.** Standard variety.

Tr. pkt., 35c.

**Fournieri Compacta.** A distinctly compact form of above.

Tr. pkt., 35c.

### TRACHELIUM

**Coeruleum.** 28,000 S. per ½ oz. Nice deep blue for either cutting on a raised bed from a Jan. start, or in pots.

Tr. pkt., 50c.

For **Umbrella Plant**, see *Cyperus*, page 30.

### URSINIA

**Anethoides.** 19,000 S. 10 in. Brilliant single orange flowers with purple center. Early flowering tender annual for bedding or spring pot work.

Tr. pkt., 25c; ¼ oz., 60c.

**Pulchra.** Dwarf, compact, vivid orange bedding and edging plant.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### VENIDIUM

65,000 S. At its best indoors in spring from a fall sowing. Grow on a raised bed in Carnation house temperature. Seed of irregular germination.

**Fastuosum.** Brilliant orange with dark center.

**Ball Hybrids.** A very interesting and varied array of colors ranging from silvery white thru orange and salmon shades.

Each: Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

### VARIETY SHOP

That's what PHIL JONES, our plant breeder, calls it. Okla. State training and 7 years both here and in Calif. seed fields fit him well for producing our novelties, especially our Non Branching Stocks.



## MISCELLANEOUS ANNUALS—Continued

### VERBENA

Verbena from seed come very true with the few noted exceptions. The Compacta varieties and particularly the Bouquet varieties, make very excellent spring pot plants. Both types do well outdoors where summers are not too severe. Seed requires an early start with bottom heat.

**GRANDIFLORA.** 10,000 S. Large flowered and a dwarf spreading growth.

**Beauty of Oxford Hybrids.** Shades of extra deep bright pink with slight white eye. Very excellent large flowered strain with some color variation. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.50.

**Blue.** Deep marine shade with white eye. Prefer Royale. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**\*Crimson Glow.** Extra deep rich crimson. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.50.

**\*Dannebrog.** Bright scarlet with large white eye. Very attractive combination. Growth more compact than other Grandifloras. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**\*Ellen Willmott.** Extra large flowered salmon-pink with white eye. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**Etna.** Scarlet with some white eye.

Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**Floradale Beauty.** Extra large flowered in salmon-pink shades. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.50.

**\*Lavender Glory.** Very fine large flowered fairly deep lavender. Throws about 25% white rogues.

Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.50.

**Lucifer.** Scarlet. Spectrum Red better.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Luminosa.** Deep salmon shaded pink with white eye. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Mayflower.** Medium light pink.

Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**\*Mounty.** A brilliant scarlet or cardinal red with small light eye. Color deeper than Spectrum Red and stronger in growth. A fine bright red Verbena. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.50.

**Pure White.** Very even strain.

Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**\*Rosea Stellata.** Clear deep pink with white eye. Quite free flowering and a strong grower.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**\*Royale.** Large flowered rich deep blue with contrasting white eye. Tr. pkt., 35c; ¼ oz., 70c; 1 oz., \$2.50.

**Salmon-Pink.** Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**\*Spectrum Red.** Very bright rich scarlet with no eye. Lighter and brighter color than Crimson Glow. Very even true strain. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**Mixture of all colors in the Grandiflora class.**

Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

**COMPACTA.** 10,000 S. A compact erect growing type particularly adapted for border and pot work. Quite free flowering.

**\*Blue Sentinel.** Semi-compact in growth, attaining a height of 10 in. and a spread of 12 to 15 in. Color a rich violet blue. A fine semi-dwarf, free flowering variety.

**Carmin Ball.** 6 in. Bright carmine-scarlet.

**Chamois.** 6 in. Heavy cream or chamois-pink.

**\*Dark Blue.** 6 in. Deep marine blue.

**\*Fireball.** 4 to 5 in. Extra dwarf; bright fiery scarlet.

**Snowball.** 6 to 8 in. Fine free flowering pure white.

**Mixture of all colors available in this compact class.** 6 in.

Each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.35.

**\*Violet Bouquet.** 10 to 12 in. Distinctly upright symmetrical habit. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.

**Royal Bouquet.** 10 to 12 in. Same habit as above but a mixture of all colors in this "bouquet" type. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

### MISCELLANEOUS VARIETIES.

**\*Bipinnatifida.** (Pronounced by-pin-à-tif-à-da!) 18 in. Very heavy, fast grower. Deeply serrated leaves account for its common name, Fern-leaved Verbena. Cluster of attractive lavender-blue flowers borne freely thruout season.

Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.



*Verbena Dannebrog. Dark scarlet with white center of this new, compact variety makes it quite effective.*

**\*Bonariensis.** 90,000 S. 36 in. (See cut page 39.) A long-stemmed Verbena with lavender-blue flower clusters. Foliage stays near the ground making this new type well suited to cut flower work. Very decorative garden plant. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.

**Aubletia** (Canadensis). 20,000 S. A hardy perennial flowering first year from seed. 12 in. Rosy-lilac flowers produced very early with us but goes off during hot summers. Quite heavily foliaged. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**\*Venosa.** 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously thruout our hot mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

**Venosa Lilacina.** 60,000 S. Same but very light blush-lilac shade. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Erinoides.** (Moss Verbena). 30,000 S. Its extra strong growth makes a 3 to 4 ft. wide row 10 in. high. Small lavender flower heads quite freely produced. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

**Lemon Verbena.** (Lippia or Aloysia Citriodora). 24 to 30 in. The old-fashioned garden favorite; leaves have a pungent lemon odor. Small white flowers. Germination apt to be slow and irregular. Tr. pkt., 50c.

### VINCA

**ROSEA** (Periwinkle). 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have.

**\*Crimson** (Kermesina). Considerably deeper than Pink.

**\*Pink.** (Rosea). The standard medium pink.

**Alba Pura.** Pure white.

**Alba Oculata.** White with pink center.

**Delicata.** Light pastel pink shade.

**Mixture of above colors.**

Each: Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

### VIRGINIAN STOCK

**Compacta Mixture.** 60,000 S. 8 in. Nice compact bedding plant. Tr. pkt., 15c; 1 oz., 60c.

### WALLFLOWER (Annual)

14,000 S. Choice richly fragrant cut flower. In our latitude should be sown in Oct. for greenhouse flowering. We enclose a leaflet describing our method of growing this attractive flower, with each order for seed.

**Gold Standard.** Deep rich golden yellow. The best color.

**Golden Yellow Flaked Brown.**

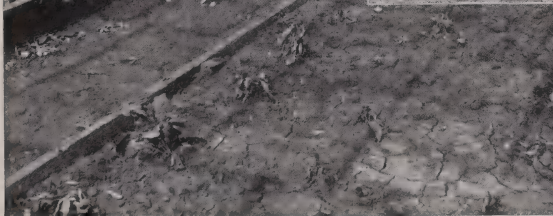
Each: Tr. pkt., 25c; ¼ oz., 75c.

For **Perennial Wallflower**, see Cheiranthus, page 43.

For **Zinnias**, see pages 12 and 13.

# IMPROVED GROWING METHODS

More profitable methods and varieties are annually presenting themselves for the grower. To keep up with them is of first importance if we are to meet the ever higher costs we are faced with. The alternative is to start slipping and to any live grower that is unthinkable. While some new ideas pictured are in the course of development, the one suggested in the lower left corner of this page is not new or questionable as the two cloth house beds of asters show. One was steam sterilized, the other was not. Directly above pictures our method of seed testing. This bed is equipped with electric bottom heat. With this, temperatures vary but slightly from 75°, which we maintain for nearly all varieties of annuals, with much better results than when this equipment is not used. To the right of this bed is a house equipped for gravel culture. As far as we have gone we find this reduces production costs about 25%.



Come out and look us over some time. Come either on Chicago & Northwestern R. R. to West Chicago or on the Chicago, Aurora, Elgin Electric R. R. to Wheaton. In either case, call us on arrival—West Chicago 299. On Highway 330 (Roosevelt Rd.) it is 35 miles west of Chicago's Loop.

*Gro. J. Ball.*

# MISCELLANEOUS PERENNIALS

## ACHILLEA

- \***Filipendula Parker's Variety.** (Eupatorium). 22,000 s. 4 ft. Fall flowering. Large golden yellow umbels. Perfectly hardy with us. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.
- \***The Pearl** (Ptarmica). 175,000 s. 30 in. The standard double white for cutting. Tr. pkt., 25c.

## ALYSSUM

- The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.
- \***Saxatile Compactum.** 30,000 s. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.
  - \***Saxatile Silver Queen.** (Sulphureum). 30,000 s. Same as above but a light lemon yellow. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

## ANCHUSA

- \***Barrelieri.** 5500 s. 15 in. Very fine Forget-me-not blue rock garden plant. Flowers middle to end of May. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.
- \***Dropmore Strain.** (Italica). 1100 s. 6 ft. Nice blue for cutting. Tr. pkt., 15c; ¼ oz., 20c; 1 oz., 50c.
- \***Myosotidiflora.** 10,500 s. 12 in. May flowering Forget-me-not blue. Tr. pkt., 50c; ¼ oz., \$1.75; ½ oz., \$3.25; 1 oz., \$12.00.

## ANTHEMIS

- \***Kelwayi** (Hardy Marguerite). 85,000 s. 3 ft. Yellow Daisy flowers produced thruout the summer. Tr. pkt., 15c; 1 oz., 50c.

## AQUILEGIA (Columbine) 15,500 s.



*Aquilegia Long Spurred Crimson Star*  
Dark crimson and white are the distinctive contrasting colors of this variety.

## ASTER (Hardy)

- \***Wartburg Star** (Subcoeruleus). 15,000 s. 18 in. Very nice rock garden material; tall and large enuf for cutting. Very hardy and June flowering. Tr. pkt., 50c; ¼ oz., \$1.25; ½ oz., \$2.25.

- \***Dark Beauty** (Alpina). 26,000 s. 12 in. Single deep blue. Tr. pkt., 35c; ¼ oz., \$1.25.
- \***Novi-Belgi.** 90,000 s. New Hybrids. Fall flowering. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

## AUBRIETIA

- \***Large Flowered Hybrids** (Monarch strain). 150,000 s. 6 in. This new strain shows a particularly wide and bright color mixture. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.
- For Baby's Breath, see Gypsophila, pages 32 and 44; also Euphorbia Corollata, page 44.

## BAPTISIA

- \***Australis** (False Indigo). 1700 s. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., 15c; 1 oz., 60c.

## BELLIS

- \***Perennis** (Double English Daisy). 100,000 s. 6 in. At this writing the only variety we have available is Rose; all other varieties are sold out until next Fall.
- Rose. A deep rose color. Tr. pkt., 50c; ¼ oz., \$1.25.

## BOLTONIA

- \***Latisquama.** 95,000 s. 4 to 5 ft. Delicate pink. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

## CAMPANULA

- \***CARPATICA.** 350,000 s. 12 in. Dwarf perennial.
  - \***Blue, White and Hybrid Mixture,** a strain containing many new colors in this dwarf class.
- EACH: Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.15.
- \***MEDIUM CALYCANTHEMA.** (Cup-and-Saucer Type). 120,000 s. 3 ft. Biennial.
- |   |                   |             |              |
|---|-------------------|-------------|--------------|
| <b>Dark Blue</b>  | <b>Light Blue</b> | <b>Rose</b> | <b>White</b> |
| EACH: Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.45.           |                   |             |              |
| <b>Mixture.</b> Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.25. |                   |             |              |

- \***Longissima.** Delicate, pale yellow with extra long (4 in.) spurs. Richly fragrant. Tr. pkt., \$1.00 ¼ oz., \$3.00 ½ oz., \$5.00.
- \***Longissima Hybrids.** A variety of attractive red and yellow shades in the Longissima type. Tr. pkt., 50c; ½ oz., \$2.00.
- \***Mrs. Nichols.** A large flowered, clear deep blue Columbine. Tr. pkt., 50c; ½ oz., \$1.00; 1 oz., \$7.00.
- \***Crimson Star.** Deep blood red with white corolla. See photo. Tr. pkt., 50c; ½ oz., \$1.25.
- \***Mrs. Scott Elliott's Hybrids.** An excellent and popular long-spurred mixture. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

- \***Alpina.** 2 ft. Blue. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.
- \***Silver Queen** (Chrysanth). Long-spurred white. Prefer Snow Queen. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.
- \***Coerulea** (Rocky Mountain Columbine). Sky-blue with white corolla. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.85.
- \***Snow Queen.** (Candidissima). 18 in. Finest pure white variety. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.
- \***Rose Queen.** Rose shades with white corolla; varies in color. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.
- \***Glandulosa Vera.** 18 in. Large spurless flowers. Bright blue with white corolla. Tr. pkt., 50c.
- \***Mixture** of all colors in this long-spurred class. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.90.

## ARABIS (Rock Cress)

- \***Alpina Snowcap.** 150,000 s. 6 in. Of a dwarf and compact habit. Excellent. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$2.00.
- \***Alpina.** 150,000 s. 12 in. White. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

## ARMERIA

- \***Maritima** (Statie Armeria). 17,500 s. 12 in. Lilac-rose. Tr. pkt., 50c.

## ASCLEPIAS

- \***Tuberosa.** 4500 s. Fine orange for cutting. Requires well drained location. Freezing over winter helps germination. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

## MISCELLANEOUS PERENNIALS—Continued

### CAMPANULA—Continued

MEDIUM SINGLE (Canterbury Bells). 135,000 s. 3 ft. Biennial.  
**Blue Lilac Rose White** and **Mixture**

EACH: Tr. pkt., 15c; 1 oz., 40c.

PERSICIFOLIA. 340,000 s. 30 in. Perennial.

**White Blue Mixture**

EACH: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

PYRAMIDALIS (Chimney Campanula). 250,000 s. 5 ft.

**Mixture.** Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

For Perennial Candytuft, see Iberis, next page.

### CARNATION

GRENADIN (Hardy Carnation). 14,000 s. 20 in. Good for cutting.

**Golden Sun \*Pink \*Red White \*Mixture**

Prices EACH above: Tr. pkt., 35c; ¼ oz., 90c.

For other Carnation Varieties, see page 27.

### CATANANCHE

Coerulea. 16,000 s. 30 in. Everlasting light lavender-blue Centaurea like flowers produced freely first year from seed. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

### CENTAUREA

Montana. 1600 s. 24 in. Large Cornflower-blue flowers. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

For Annual Centaurea Cyanus, see page 27.

### CERASTIUM

\*Tomentosum. 42,000 s. 10 to 12 in. White edging and rockery plant. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

### CHEIRANTHUS (Wallflower)

\*Golden Bedder. 19,000 s. 18 in. Large deep golden yellow. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

Allioni (Siberian Wallflower). 19,000 s. 18 in. Free flowering brilliant orange. Tr. pkt., 10c; 1 oz., 30c.

For Annual Wallflower, see page 40.

### CHRYSANTHEMUM

\*Korean Hybrids. 60,000 s. Single and semi-double types. Very attractive color mixture. Flowers first part of October. Tr. pkt., \$1.00; ½ oz., \$2.00.

Indicum. 77,000 s. Large flowered double and semi-double types. Tr. pkt., 50c; ½ oz., \$1.25.

Japonicum. 77,000 s. (Japanese Mountain or Cascade type). Single mixture. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.75. For Chrysanthemum Leucanthemum, see Daisy below.

For Columbine, see Aquilegia, page 42.

### COREOPSIS

\*Sunburst (New Gold). 11,000 s. A fine semi-double strain. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., 90c.

\*Mayfield Giant. 11,000 s. Extra large deep golden yellow. Single. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 65c.

### DAISY (Chrysanthemum Leucanthemum)

Double Fringed (Diener's). 18,000 s. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., 50c; ¼ oz., \$1.00; ½ oz., \$3.50.

Elder. 65,000 s. Earliest flowering—early June.

\*June Marguerite. 40,000 s. Large June flowering variety.

\*Mayfield Giant. 21,000 s. Quite large flowered, end of June.

Alaska. 21,000 s. The standard Shasta Daisy. July.

Conqueror. 21,000 s. Giant late white. Late July.

Prices EACH above: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 90c.

English Daisy, see Bellis, on page 42.

For Delphinium Varieties, see page 22.

### DIANTHUS 23,000 S.

Allwoodi Alpinus Mixed. 8 to 10 in. 1½ in. single flowers in shades of pink. Early June. Tr. pkt., 35c; ¼ oz., \$1.00.

Deltoides Erecta. 6 in. June flowering. A dwarf Maiden Pink. Bright red. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$7.00.

Knappi. 12 to 15 in. June flowering. Small clusters of single yellow flowers. Perfectly hardy. Tr. pkt., 50c; ¼ oz., \$1.60.

\*Loveliness. 20 in. Large, freely produced, light lavender flowers, quite fragrant and with highly fringed and curled petals. Tr. pkt., 50c; ¼ oz., \$1.25.

\*Latifolius Atrococcineus. 12 to 15 in. Miniature Rose-like flowers. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

Plumarius, Single Mixture (Clove Pink). 20 in. Early, free flowering, and sweet scented. Tr. pkt., 15c; 1 oz., 50c.

\*Neglectus, Rose Cushion. 6 in. Very attractive neat rock plant. Many small rose-pink flowers extending above a dense mat of foliage. Perfectly hardy. Tr. pkt., 50c; ¼ oz., \$1.25.

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed.

\*Holborn Glory. Striking combination of crimson with white.

\*Newport Pink (Pink Beauty). A particularly rich pastel salmon rose shade. Very attractive. Trade Packets only.

### Purple Beauty.

Scarlet Beauty. Well named.

Giant White. Ours is a particularly large flowered strain.

### Single Mixture.

Prices EACH above. Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.50.

\*Double Mixture. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00.

\*Single Midget Mixed. Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c; ¼ oz., \$1.35.

\*Double Midget Mixed. 6 to 8 in. with heads of double Sweet William flowers. A very nice hardy rock and alpine plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

For other Dianthus, see page 30.

### DICTAMNUS

Fraxinella (Gas Plant). 1700 s. 30 in. Pink with dark veins. Sow seed in the fall and allow to stand outdoors over winter for good germination. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

### DIELYTRA (Dicentra)

Spectabilis (Bleeding Heart). 1600 s. 32 in. Sow seed in fall and allow to stand outdoors over winter for good germination. Tr. pkt., 50c; ¼ oz., \$4.00; 1 oz., \$15.00.

### DIGITALIS

GLOXINOIDES (Foxglove) 180,000 s. 4 ft.

**Purple, Rose, White, and Giant Shirley Mixture**

Each: Tr. pkt., 15c; 1 oz., 60c.

### DORONICUM

18,000 s. (Leopard's Bane). Attractive yellow Daisy-like flowers.

\*Bunch of Gold (Pardalanches). 30 in. Long-stemmed and extra free flowering. Fine. Tr. pkt., 50c; ¼ oz., \$1.35.

Caucasicum. Tr. pkt., 50c; ¼ oz., \$1.00.

For EDELWEISS, see Leontopodium on next page.

### ECHINOPS

Ritro (Ornamental Thistle). Blue flower heads 1½ to 2" in diameter. Tr. pkt., 15c; 1 oz., 50c.

### ERYNGIUM

Amethystinum. 19,000 s. 3 ft. Large Amethyst-blue. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

### EUPATORIUM

2 ft. (Hardy Ageratum.) A valuable addition to the hardy perennial cutting bed. Fully hardy; prefers light shade or full sun. Seed should be sown out-doors in the Fall or early spring for proper germination.

Blue. A clear azure blue.

White. Pure white.

Each: Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

## MISCELLANEOUS PERENNIALS—Continued

### EUPHORBIA

**Corollata** (Wild Baby's Breath). 8700 s. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.  
**Polychroma**. 15-20 in. Very compact plant producing brilliant yellow bracts of leaves. Perfectly hardy with us. Tr. pkt., 50c; ¼ oz., \$1.25.

**Myrsinites**. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. Tr. pkt., 35c; ¼ oz., \$1.15.

For FEVERFEW, see Matricaria, next page.

For FOXGLOVE, see Digitalis, last page.

### GAILLARDIA

**GRANDIFLORA**. 9500 s. The large flowered, long stemmed class.

\***Dazzler**. The standard fine cutting strain. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

\***Monarch Strain**. A very superior mixture of large, full petaled flowers with an unusually bright color mixture. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Burgundy**. Deep shade of wine red. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Maxima Aurea**. Yellow. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.  
**The King**. Large deep red flowers edged gold. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Portola Hybrids Mixed**. Standard hybrid mixture. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.45.

**Goblin**. 12 to 14 in. Forms very attractive compact plants. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.00.

For Annual Gaillardia Varieties, see page 31.

For GAS PLANT, see Dictamnus, last page.

### GEUM (7000 s.)

**Lady Stratheden**. 24 in. Double golden yellow.

**Mrs. Bradshaw**. 24 in. Double glowing red.

Prices EACH above: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.65.

### GYPSOPHILA

34,000 s. A planting of several varieties of hardy Gyp is interesting and valuable for outdoor summer cutting.

\***Pacific**. 42 in. Attractive shade of bright pink. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

\***Oldhamiana**. 30 in. Heads of feathery light rose-pink flowers. Flowers first season from an early sowing. October flowering—watch frost dates. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**PANICULATA**. The regular white hardy Gyp. Note that double grafted varieties like Bristol Fairy are *not* available from seed.

\***Double Snow Flake**. 40 in. An improved double hardy Gyp. Produces about 50% double flowering plants. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$4.00.

**Single White**. Tr. pkt., 15c; 1 oz., 35c.

**REPENS**. 6 in. An attractive hardy rock garden plant.

**Rose**. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.

**White**. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

For ANNUAL GYP, see page 32.

### HELIANTHEMUM

**Mutabile** (Rock Rose). 15,000 s. 8 to 10 in. Very attractive dwarf evergreen rock plant. Tr. pkt., 20c; 1 oz., 80c.

### HESPERIS

**Matronalis** (Sweet Rocket). 15,000 s. 3 to 4 ft. Deep magenta red. Tr. pkt., 10c; 1 oz., 25c.

### HOLLYHOCK

**Imperator**. 2700 s. Choice double fringed mixture. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

**Allegheny Mixed**. 2700 s. Single and semi-double types. Tr. pkt., 15c; 1 oz., 50c.

**CHATER'S DOUBLE**. 3100 s. The standard double Hollyhock.  
**Chamois**, **Deep Rose**, **Lilac Beauty**,  
**Newport Pink**, **Scarlet**, **Sulphur Yellow**,  
**White**, and **Mixture** of all colors.  
EACH: Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

### IBERIS 11,500 S.

**Gibraltarica**. 12 in. Large flowered lilac. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

**Sempervirens**. 12 in. Flowers end of May. White. Seedlings flower second season. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.50.

### LATHYRUS

**LATIFOLIUS** (Hardy or Everlasting Sweet Pea.) 550 s. Abundant source of short-stemmed flowers.

<b>Pink Beauty</b>	<b>White Pearl</b>	<b>Red</b>	<b>Mixture</b>
EACH: Tr. pkt., 15c; 1 oz., 50c.			

### LEONTOPODIUM

**Alpinum** (Edelweiss). 275,000 s. Attractive rock garden plant. Small greenish white leaves. Tr. pkt., 35c; ¼ oz., \$1.25.

### LEUCOCORYNE

**Ixioides Odorata**. (Glory of the Sun) Light blue bulbous plant requiring two or three years from seed sowing to flowering sized bulbs. Tr. pkt., 75c; ¼ oz., \$1.50; 1 oz. \$10.00.

### LIATRIS (Blazing Star)

9500 s. Excellent cut flowers, long decorative, bold spikes. Used very effectively in basket arrangements.

**Spicata**. Not quite so long-stemmed or with as long flower spikes as Pycnostachya; purple. Prefers a damp low location. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

**Scariosa**, Rosy Purple. Extra large individual flower heads on long, loosely set spikes. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.25.

**White Spire**. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

\***Pycnostachya**. Extra long-stemmed—3 to 5 ft. with long 15 to 18 in. flower spikes of rosy purple. Finest cut flower kind. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$3.00.

\***Scariosa White**. A very fine pure white. Long closely set flower spikes. Our strain comes about 85% true to type. Tr. pkt., 50c; ¼ oz., \$1.60; 1 oz., \$5.50.

### LILIES FROM SEED

The new **White Queen** has added new importance to seed-produced Lilies. In addition to low initial cost (no bulb bills) and absolutely disease free stock, this new strain flowers 15 months from seed and with flowers fully equal to fine Erabu specimens. Used considerably as a cut flower strain. A circular detailing cultural method of handling **White Queen** Lily from seed will be enclosed with every order for seed or gratis upon request.

\***White Queen**. 8200 s. The largest flowered pure white seed propagated Lily we know of. A fine variety. ½ tr. pkt., 60c; tr. pkt., \$1.00.

**Philippinense Formosanum**, **Giant Flowered**. 8200 s. An improved form of the original stock of Philippine Lily. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75; 4 oz., \$8.00.

**Philippinense Formosanum Improved**. 8200 s. The original Philippine Lily. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**Regale** (Regal Lily). 6500 s. Pink with primrose center. Tr. pkt., 15c; 1 oz., 65c.

### LINUM

**Perenne** (Perennial Flax). 8500 s. Blue. Tr. pkt., 15c; 1 oz., 40c.

### LOBELIA

**Cardinalis** (Fulgens). 725,000 s. (Cardinal Flower). 36 in. Tr. pkt., 25c; ¼ oz., 85c; 1 oz., \$3.25.

**Syphilitica**. 1,750,000 s. 2 to 3 ft. Attractive blue spikes. Tr. pkt., 25c; ¼ oz., \$1.50.

### LUNARIA

**BIENNIS** (Honesty or Money Plant). 1500 s.

<b>White</b>	<b>Crimson</b>	<b>Mixture</b>
EACH: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.		

## MISCELLANEOUS PERENNIALS—Continued

### LUPINUS

**POLYPHYLLUS** (Hardy Lupine). Fine cutting material. Requires a well drained location and thrives best in cool climates.

\***Russell Strain**. 1000 s. Unusually long closely set flower spikes and the widest range of attractive colors found in Hardy Lupines.

Reselected Stock (Originator's packets) 20 seeds, 20c; 65 seeds, 50c; 150 seeds, \$1.00; 350 seeds, \$2.00.

Grown from Originator's Stock. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

**MISCELLANEOUS POLYPHYLLUS VARIETIES**. 1450 S.

**Dark Blue**. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

**Luteus**. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

**White**. Tr. pkt., 15c; 1 oz., 40c.

\***Harkness Regal Mixture**. The standard fine hybrid mixture. Tr. pkt., 15c; 1 oz., 65c.

For *Annual Lupine*, see page 33.

### LYCHNIS

**Chalcedonica**. 36 in. Scarlet. Tr. pkt., 15c; 1 oz., 65c.



*Ball Matricaria outdoors in July 80-85% double. For the retail grower its value could be increased by spreading the crop thru two sowings, 2-3 weeks apart. Sowing for above crop was made January 20.*

### MATRICARIA Capensis (Feverfew)

145,000 s.

\***Ball Double White**. Since introducing this strain in '34 demand for it is constantly increasing as a standard green house and outdoor cut flower crop. Differs from ordinary cutting propagated strain in having smaller and more compact completely double flowers that hold up much better in shipping and handling. Responds readily to additional lighting for forcing. 18 in. outdoors, 2-3 ft. under glass. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.75.

**Double Golden Ball**. 10 in. Dwarf, semi-double yellow.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### MYOSOTIS (Forget-me-not) 42,000 s.

\***Blue Bird** (Oblongata). 12 in. Standard blue for Spring greenhouse flowering. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.75.

**Palustris**. True Marsh Forget-me-not. Hardy with us. Blue.

Tr. pkt., 35c.

### MYOSOTIS—Continued

**ALPESTRIS**. Biennial.

\***Royal Blue** (Indigo Blue). 12 in. Deep rich blue.

Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Blue Basket**. 12 in. Deep blue; of spreading habit.

Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

**Pink Bouquet** (Stricta Grandiflora). Medium deep pink shade; compact upright habit. Tr. pkt., 50c.

For *Myosotis Ball Early*, see page 34.

For *Painted Daisy*, see *Pyrethrum*, next page.

For *Oriental Poppy*, see below.

### MUSSINI NEPETA

52,000 s. 12 in. Light blue, June flowering Catnip.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### PHLOX (Perennial)

**Hybrid Mixture** (Decussata). 2500 s. 3 ft. Our Strain contains many new large flowered, brilliantly colored types.

Tr. pkt., 25c; ¼ oz., 85c; 1 oz., \$3.00.

### PHYSALIS

\***Francheti Gigantea**. Same brilliant orange seed pods as ordinary strain. Tr. pkt., 35c; ½ oz., 90c; ¼ oz., \$1.50; 1 oz., \$5.00.

**Francheti** (Chinese Lantern Plant). 18,000 s. Large decorative orange seed pods. Tr. pkt., 15c; 1 oz., 75c.

### PHYSOSTEGIA

**Virginica**. 16,000 s. 4 ft. Rosy lilac.

Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

For *Pinks*, see *Dianthus*, pages 30 and 43.

### PLATYCODON

**GRANDIFLORUM** (Tufted Harebell or Balloon Flower). 28,900 s. 24 in. Very attractive for spring sales, perfectly hardy.

**White**, **Blue**, a clear deep violet-blue.

**Mixture**, a formula mixture of above two colors.

EACH: Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.25.

### POPPY

**ORIENTALE** (Oriental Poppy). 140,000 s.

**Beauty of Livermere**. Dark oxblood-red. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

**Brilliant**. 40 in. Vivid, fiery red. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

**Mrs. Perry**. Fine salmon-rose. Tr. pkt., 35c; ½ oz., \$1.15.

**Mixture** of all colors. Tr. pkt., 20c; ¼ oz. 50c; 1 oz., \$1.75.

For other *Poppy* Varieties, see page 36.

### PRIMULA

**VERIS**. 33,000 s. Especially the new large flowered *Colossea* has proven the usefulness of this class for spring pot plants and combinations, since they can be moved without harm while flowering. Plants lifted from outdoors in the fall will make specimen pot plants from February and March on. Also makes fine hardy border plants if given partial shade.

\***Colossea**. Our trials of this strain show a real improvement in flower size, new bright colors, and strong growth. Originator's Tr. pkt., only, 75c.

\***Giant Munstead Strain**. The standard strain for bedding. Not so tall as above; in shades of yellow. Tr. pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.75; 1 oz., \$10.00.

\***Polyanthus Mixture**. Unwin's Strain. 12 in. Tr. pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.25; 1 oz., \$8.00.

**Giant Monarch Strain**. A fine large flowered mixture. Tr. pkt., 75c.

**Giant Crimson**. Large flowered Giant. Tr. pkt., 75c.

**Giant Yellow**. A Giant separate color selection. Tr. pkt., 75c.

**Vulgaris**. (True Yellow English Primrose). 19,000 s. 6 in. Sow seed in the fall and allow to stand outdoors over winter for proper germination. Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.75.

**Bulleisiana Hybrids**. 130,000 s. 18 in. Mixture. Seed of irregular germination. Tr. pkt., 50c; ½ oz., \$1.15.

For other *PRIMULA* varieties, see page 23.

## MISCELLANEOUS PERENNIALS—Continued



The new *Primula Veris Colossea* above is rapidly finding its place in the pot plant field.

### PYRETHRUM

- The ROSEUM type contains the standard cut flower varieties.
- Uliginosum.** 62,000 s. 3 ft. Single white, Daisy-like flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.50.
- ROSEUM (Painted Daisy).** 18,000 s. The standard hardy class. ¼ oz., \$1.50; 1 oz., \$5.00.
- \*Semi-Double Mixture.** An excellent strain. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.
- \*James Kelway.** Fine dark red cut flower variety. Tr. pkt., 50c.
- Atrosanguineum.** A popular dark crimson strain. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.75.
- Single Mixed.** An attractive mixture of colors in the large-flowered single type. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

- \*Robinson's Hybrids.** Large single mixture. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.
- Robinson's Dark Crimson.** An extra large flowered, true strain of dark crimson Pyrethrum for cutting. Tr. pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.75; 1 oz., \$6.00.

### RUDBECKIA

- Purpurea (Echinacea).** 7000 s. 4 ft. Reddish purple. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.
- For other Rudbeckia Varieties, see page 36.

### SALVIA

- Patens.** 3800 s. 30 in. Navy blue hardy Salvia. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

### SAPONARIA

- Ocymoides.** 5500 s. 12 in. Trailing rose hardy rock plant. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

### SCABIOSA

- 2400 s. Seed germination sometimes slow and irregular.
- Columbaria Lavender.** Delicate color.
- Columbaria Pink.** Orchid-pink shade.
- Caucasica Perfecta.** Large flowered improved form of this lilac-lavender strain. EACH: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.
- \*Caucasica, House Hybrids.** Shades of lavender and blue. Use this strain for a small bed of hardy cutting Scabiosa. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.85.
- Fischeri.** 30 in. rounded bushy plants. Flowers medium-sized and a bright lilac-lavender color. Very free flowering and perfectly hardy with us. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.25.

### SEMPERVIVUM (House Leek)

Perennial Mixture. 325,000 s. Tr. pkt., 35c.

### STATICE

- Perennial Statice are very hardy, make good cut flower material and some as noted can be successfully dried and dyed.
- Caspia.** 175,000 s. 30 in. Seedlings flower second season. Lilac. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.
- \*Dumosa.** 19,000 s. 18 in. Dense clumps of silvery gray flowers produced second season from seed. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.
- Tatarica.** 13,000 s. 14 in. Small white flowers that may be dried. Tr. pkt., 15c; 1 oz., 65c.
- \*Latifolia (Sea Lavender).** 40,000 s. 30 in. Standard blue perennial Statice. Very hardy and may be dried. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.
- Perezi.** 14,000 s. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.
- Puberula.** 5200 s. 8 to 10 in. A dwarf form with flower heads similar to S. Latifolia. Flowers second season. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

### STOKESIA

- Cyanea.** 3300 s. 16 in. Large blue flowers. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

### THALICTRUM

- Dipterocarpum.** 12,000 s. 3 to 4 ft. Early June flowering. Rosy purple clusters of flowers. Flower second season with us.
- Aquilegifolium.** 40 in. Shades of lilac and mauve.
- Prices EACH above: Tr. pkt., 25c; ¼ oz., 85c.

### TRITOMA

- Mirabilis Hybrids.** 20,000 s. Yellow and orange shades. Varies. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

### TROLLIUS

- LEDEBOURI (Globe Flower).** 8000 s. Allow seed to stand outdoors over winter for good germination.
- \*Golden Queen.** 3 to 4 ft. A fine early large orange variety. Tr. pkt., 50c; ¼ oz., \$2.00.
- Orange.** 24 in. Tr. pkt., 50c; ¼ oz., \$1.50.

### TUNICA

- Saxifraga.** 150,000 s. 8 to 10 in. Small rosy lilac flowers produced first season from seed. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.25.

### VALERIANA

- Rubra.** 13,000 s. 36 in. Deep crimson. Good for cutting. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.
- For *Verbena Aubletia (Canadensis)* see page 40.

### VIOLA (Cornuta)

- Miniature Pansies. Extra free-flowering and effectively used for bedding.
- Apricot.** Large flowered true apricot shade. Chantreyland better. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.
- \*Arkwright Ruby.** Maroon-scarlet with dark center. A highly attractive bright color. Tr. pkt., 35c; ½ oz., \$1.00; ¼ oz., \$1.60; 1 oz., \$6.00.
- Blue Perfection.** Large flowered clear medium blue. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.
- \*Chantreyland.** Extra large flowered true apricot. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.
- Johnny Jump Up.** A tiny flowered, but unique species; purple, blue, and yellow shades. Tr. pkt., 50c; ¼ oz., \$1.00.
- \*Lutea Splendens.** Clear golden yellow. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.
- Papilio.** Blue and white combination. Extra dwarf and free flowering. Small flowered. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.
- Puck.** Purple with yellow wings and dark pencillings. Small flowered. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.
- White Perfection.** Small pure white. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$2.75.
- Large-Flowered Mixture.** Complete mixture of all large flowered varieties. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

# GROW VEGETABLE PLANTS

## FOR DEFENSE GARDENS

Pages of space in newspapers and home garden magazines will be devoted to "Gardens for Defense" this spring. Such publicity efforts can't help but multiply the number and size of back yard vegetable gardens. Since many of these gardeners are customers for greenhouse growers, most florists are expecting an increased demand for vegetable plants. Get your share of this business and do your part for defense by having a good supply of quality vegetable plants on hand.



### BALL PLANT BANDS

*Use them for more profitable plant sales*

The time and labor involved in digging plants for your customers plus the damage done to plants and the resulting customer dissatisfaction reduce profits from vegetable plant sales.

Use Ball Plant Bands this spring and increase your profits. Since the plants are easily and quickly removed from the flats, it takes less time and trouble to wait on your customers. The roots are not disturbed, either, and the plants grow on to your customers' satisfaction.

For details, see inside front cover.



*Supreme Marglobe Certified*

### 12 BEST VEGETABLES FOR PLANT SALES

This list is based on our experience and the demand from all sections—the heaviest sellers. While we realize this can't be 100% safe for all sections, we do believe it will be found a generally safe list.

Turn the page for complete list of all Standard Vegetable Seed.



*Celery, Epicure*

**Celery—Epicure. New—RESISTANT.** Edible stem 10 in. pale green, smooth rounded and of exceptional crispness. 1 oz., 80c; 4 ozs., \$2.75.

**Celery—Golden Plume—Non-Bolting. New.** Proved bolt-resisting under severe conditions. 1 oz., 90c; 4 ozs., \$3.00.

**Cucumber—Straight 8.** (All America Gold Medal Winner). Outstanding variety, producing cylindrical fruits; 1½ inches in diameter; deep green and an ideal shipper. 1 oz., 25c; 4 ozs., 75c; 1 lb., \$2.25.

**Egg Plant—Black Beauty.** Popular home and market variety. Dark Purple. Broad egg-shaped. 1 oz., 50c; 4 ozs., \$1.50.

**Cabbage—Golden Acre.** Earliest round head variety for early market and shipping. Short stem. 64 days. Uniform, firm, matures evenly. 1 oz., 50c; 4 ozs., \$1.50.

**Cabbage—Late Flat Dutch.** The best large late variety. Good keeper, firm heads of good quality. 110 days. 1 oz., 30c; 4 ozs., 90c.

**Cauliflower—Ex. Early Dwarf Erfurt.** Danish Grown. An extra early variety, plants dwarf, dependable header, heads firm, medium size. Tr. pkt., 50c; ¼ oz., \$1.20; 1 oz., \$3.75; 4 ozs., \$13.00.

**Peppers—Oakview Wonder. New.** (Sweet). 65 days. Blocky, smooth, excellent for home gardening, very prolific. See Cut, page 50. ½ oz., 45c; 1 oz., 80c; 4 ozs., \$2.60.

**Pepper—California Wonder.** (Sweet). 72 days. Standard of excellence in Sweet Peppers. Heavy producer over long period. Fruit large, smooth. ½ oz., 35c; 1 oz., 60c; 4 ozs., \$1.90.

**Tomato—Bonny Best.** Unexcelled for all purposes. Smooth and firm. 73 days. 1 oz., 45c; 4 ozs., \$1.25.

**Tomato—Earliana.** Medium size, deep scarlet, firm and smooth. 64 days. Best all around early variety for home gardeners. 1 oz., 45c; 4 ozs., \$1.50.

**Tomato—Master Marglobe. CERTIFIED.** Valuable for shipping and HIGHLY RESISTANT. Smooth; of distinct quality and long bearing. 75 days. 1 oz., 40c; 4 ozs., \$1.20.

# VEGETABLE SEEDS FOR FLORISTS

You will find a rather complete list of vegetable seeds this year. We believe it is all and just the very best strains which are wanted in your particular trade.

With thousands of new defense gardens going in and a steady increasing sale of vegetable PLANTS, there is a valuable demand to be filled and good profits for you.

**PRICES MAY CHANGE:** It will indeed pay you to order early this year, as already prevailing shortages may exhaust our supply or increase prices in the course of the season.

**JUST A REMINDER:**—Most of these varieties are ideally handled and sold in Ball Plant Bands, better and quicker growing plants, that every gardener can appreciate, and which will give you an added profit. For prices on bands see inside front cover.

**WRITE FOR PRICES** on larger quantities.

**NOTE:** Postage—All prices given include postage.

## BEET

	1 oz.	4 ozs.	1 lb.
<b>Crosby's Egyptian.</b> (Original Strain). 55 days. Globe-shaped. Dark purplish red, excellent quality.....	\$0.20	\$0.75	\$1.90
<b>Detroit Dark Red.</b> (Impr. Strain). 55 days. Standard for home and market garden. Uniform globe-shaped. Tender until full grown .....	.25	.90	2.30
<b>Extra Early Flat Egyptian.</b> Earliest and best for forcing or home garden. Tops short, flesh dark red .....	.20	.75	1.90

## BROCCOLI

	1 oz.	4 ozs.	1 lb.
<b>Green Sprouting Early.</b> Valuable all-season "cut and come again" strain for home garden or market, ½ oz., 40c.....	\$0.70	\$2.10	\$7.00

## BRUSSELS SPROUTS

	1 oz.	4 ozs.	1 lb.
<b>Long Island Impr.</b> 90 days. Stem closely set with 1½ in. round cabbage-like heads. 20 in. tall, good keeper .....	.40	1.25	4.25

## CABBAGE (About 7000 seeds per oz.)

<b>All Head Early.</b> Good winter keeper. Deep heads, flat, firm, fine quality, valuable for kraut, 77 days.....	.30	.90	2.70
<b>Copenhagen Market.</b> Regular early. Medium sized heads; compact, good yielder, 66 days.....	.50	1.60	5.00
<b>Danish Ballhead.</b> Best late variety, heads large, flat, firm and solid, keeps in storage until late spring, 95 days .....	.45	1.50	4.50
<b>Early Dwarf Flat Dutch.</b> Heads almost ball-shaped, firm, fine flavor and high quality, 71 days .....	.35	1.10	3.25

## CABBAGE—Continued

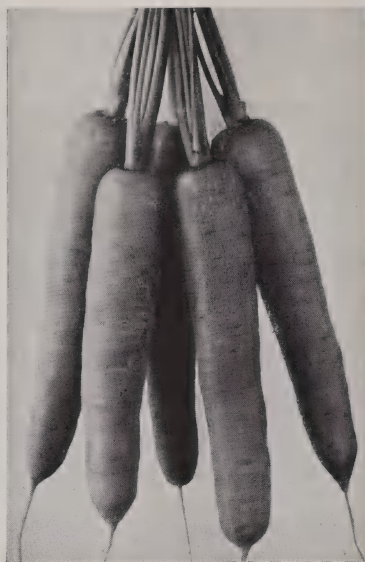
	1 oz.	4 ozs.	1 lb.
<b>Early Jersey Wakefield.</b> Extra early. Plants small, allowing close planting. 2 lbs. 62 days. Sure header, fine for southern shippers .....	\$0.40	\$1.20	\$4.00
<b>Early Winningstadt.</b> 80 days. Hardy, dependable, heartshaped. Very firm and of finest quality. Average weight 5 lbs. ....	.40	1.30	4.00
<b>Golden Acre.</b> Earliest round head variety for early market and shipping. Short stem. 64 days. Uniform, firm, matures evenly ..	.50	1.50	4.70
<b>Late Flat Dutch.</b> The best large late variety. Good keeper, firm heads of good quality. 110 days. Dependable .....	.30	.90	2.80
<b>Mammoth Rock Red.</b> Best red variety. Good keeper, round hard head. 90 days ..	.40	1.25	4.00
<b>Marion Market.</b> 75 days. A Yellows Resistant Copenhagen Market. Heads larger and later .....	.60	1.90	5.75
<b>Savoy, Chieftain.</b> (All America award 1938). 85 days. Heads medium large; flat and firm. Stands long without bursting .....	.45	1.50	5.00
<b>Wisconsin All-Season.</b> Resistant to "cabbage yellows." Good winter keeper; large flat hard heads. Excellent kraut variety .....	.45	1.40	4.20

## CHINESE CABBAGE

<b>Chihli.</b> 70 days 20 in. tall. Oblong, sure heading when sown late July, maturing in Oct. Of fine flavor and crispness. Good keeper.....	.50	1.60	5.00
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## CARROT

<b>Chantenay Red Cored.</b> Fine all-Purpose variety. Dependable heavy yielder. Good for winter.....	.50	1.60	5.50
<b>Danvers Half-Long.</b> Very productive and uniform. Bright orange. 75 days .....	.50	1.50	5.00
<b>Morse's Bunching.</b> (All America Award) Short tops—strong medium size. 1½x8". See cut .....	.50	1.50	5.00



Carrot—Morse's Bunching



Cauliflower—Early Dwarf Erfurt

## Vegetable Seeds For Florists (Continued)

### CARROT—Continued

1 oz. 4 ozs. 1 lb.

<b>Nantes Stump Rooted.</b> 70 days. Roots 6 in., cylindrical and coreless. Popular strain of highest quality.....	\$0.60	\$2.00	\$6.00
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### CAULIFLOWER (About 7000 seeds per oz.)

<b>Early Dwarf Erfurt.</b> Danish Grown. An extra early variety, plants dwarf, dependable header. Heads firm, medium size. Tr. pkt., 50c; ¼ oz., \$1.20.....	3.75	13.00	
<b>Early Snowball.</b> Early greenhouse-forcing variety, pure white heads, good shipper. The standard of excellence. 52 days. Tr. pkt., 50c; ¼ oz., \$1.40.....	4.00	14.00	
<b>Danish Giant, Dry Weather.</b> 65 days. Dependable variety of finest quality. Average weight 2 lbs. Tr. pkt., 50c; ¼ oz., \$1.20.....	3.75	13.00	

### CELERY

<b>Epicure.</b> New—RESISTANT. Edible stem 10 in. pale green, smooth rounded and of exceptional crispness. ½ oz., 45c.....	.80	2.75	
<b>Golden Plume or Wonderful.</b> Earlier than Golden Self Blanching, a leader for market gardening. ½ oz., 50c.....	.90	2.75	
<b>Golden Plume — Non-Bolting.</b> New. Proved bolt-resisting under severe conditions. ½ oz., 50c.....	.90	3.00	
<b>Golden Yellow Self-Blanching Dwarf.</b> Standard market and shipping sort. ½ oz., 35c.....	.60	2.00	

### CELERIAC

<b>Large Smooth Prague.</b> Turnip-rooted celery. Good winter keeper ¼ oz. 20c....	.50	1.50	
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### CHIVES

<b>"Grass-Onion."</b> A perennial, quickly started from seed. Popular for flavoring also for decorative value..... ¼ oz., 50c	1.50		
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### CUCUMBER (About 1000 seeds per oz.)

<b>Straight 8.</b> (All America Gold Medal Winner). Outstanding variety, producing cylindrical fruits 1½ inches in diameter; deep green and an ideal shipper.....	.25	.75	2.40
<b>Chicago Pickling.</b> Most valuable for pickling and slicing. 6 inches, uniform, 60 days.....	.25	.65	2.25
<b>Davis Perfect.</b> Fine slicing variety. Good shipper. 9-11 inches. Good for greenhouse growing.....	.20	.60	1.90
<b>Early Fortune.</b> Fine for slicing or shipping. Dark green. 9 inches. 68 days.....	.20	.60	1.90
<b>Imp. Long Green.</b> Ideal for slicing or chunk pickles. Dark green, few seeds, 12 in. long.....	.30	.90	2.90
<b>Small Cherkin.</b> A favorite for pickling. Only 2 in. long and very prolific.....	.25	.75	2.40

### EGGPLANT (About 8000 seeds per oz.)

<b>Black Beauty.</b> Popular home and market variety. Dark purple. Broad egg-shaped.....	.50	1.50	5.50
<b>Improved Large Purple.</b> (Spineless). The standard sort, early, good producer.....	.50	1.50	5.50

### ENDIVE

<b>Deep Heart Fringed.</b> New ideal upright growing type, combining fringed leaves with a compact well blanched heart.....	.20	.60	1.60
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### KALE

<b>Dwarf Green Curled.</b> Very hardy, 12-15 inches tall, 30 inch spread. Finely curled.....	.30	.85	2.75
<b>Tall Green Curled Scotch.</b> 30 in. tall—85 days. Very hardy.....	.30	.85	2.75

### KOHLRABI

1 oz. 4 ozs. 1 lb.

<b>Early White Vienna.</b> Standard sort for forcing and home garden. Globe-shaped.....	\$0.60	\$2.00	\$6.00
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### LEEK

<b>Monstrous Carentan.</b> Stem 8 in. Best strain of this fine "Asparagus-Type" of the Onion family. Good keeper. ¼ oz., 40c....	1.25	3.75	
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### LETTUCE

<b>Big Boston.</b> Select stock. Most popular of all HEADING Lettuce. Largely used for summer and fall hot-bed and cold frame culture.....	.20	.60	1.75
<b>Black-Seeded Simpson.</b> Early, dependable everywhere. LOOSE-LEAVED and frilled, grows quickly, fine quality.....	.15	.50	1.40
<b>Grand Rapids Forcing.</b> The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early....	.15	.50	1.50
<b>Looseleaf Prizehead.</b> Dependable, quick growing, all-green strain, with outer leaves tinged red. Crisp, sweet, finest quality....	.15	.50	1.40
<b>New York Special No. 12.</b> Early, sure HEADING and does well in mid-summer.....	.25	.65	2.25

### MUSKMELON

<b>Honey Rock.</b> NEW. 85 days. Flesh orange, sweet and of finest flavor. Good shipper....	.25	.70	2.50
<b>Resistant No. 45.</b> 90 days. Flesh thick, salmon color, firm and dry. Resistant to mildew.....	.25	.70	2.50
<b>Rocky Ford or Netted Gem.</b> 90 days. Green fleshed. Oval 5 in. long. Well known dependable market variety.....	.20	.60	2.00
<b>Honey Dew—MILDEW RESISTANT</b> 115 days. Green fleshed fruits smooth of ivory color 8 by 6 in. Good keeper.....	.20	.60	1.80

### WATER MELON

<b>Harris Earliest.</b> 80 days. Fruits oval, striped of medium size.....	.15	.40	1.10
<b>Stone Mountain.</b> 95 days. Fruits large, almost round. Good keeper of recent introduction.....	.15	.40	1.10
<b>Citron.</b> 95 days. White fleshed strain, ideal for preserving.....	.15	.40	1.10

### ONION (About 8000 seeds per oz.)

<b>Prizetaker.</b> Large, globular; yellow, good shipper and keeper, flesh coarse and mild. ½ oz., 50c.....	.90	Not over 1 oz.	
<b>Riverside—Yellow Sweet Spanish,</b> globe-shaped; keeping extra well for soft type. Mid-season. ½ oz., 40c.....	.70	2.25	
<b>White Portugal.</b> Bulbs flat, firm, excellent keeper widely used for sets, bunching and pickling. ½ oz., 40c.....	.75	2.50	
<b>Yellow Globe Danvers.</b> Medium large; globe-shaped; flesh white with tinge of yellow, firm and hard, excellent keeper. ½ oz., 40c.....	.70	2.10	
<b>Yellow Bermuda.</b> Standard early variety. Flat, straw colored bulbs. ½ oz., 50c.....	.80	2.50	
<b>Yellow Globe Brigham.</b> Fine solid bulbs of high keeping qualities. Similar to Yellow Globe Danvers. ½ oz., 40c.....	.70	2.10	

### PARSLEY

<b>Extra Triple Curled.</b> (Moss Curled). Very compact. Dark green; closely curled.....	.15	.45	1.40
<b>Paramount.</b> New and improved triple curled variety, unusually rich dark green.....	.15	.45	1.40

### PARSNIP

<b>Short, Thick.</b> 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor.....	.25	.65	2.50
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## Vegetable Seeds For Florists (Continued)



*New Pepper "Oakview Wonder"*

PEPPER	(About 5000 seeds per oz.)	→ ½ oz.	1 oz.	4 ozs.
<b>California Wonder.</b>	(Sweet). 72 days. Standard of excellence in Sweet Peppers. Heavy producer. Fruit large, smooth.	\$0.35	\$0.60	\$1.90
<b>Chinese Giant.</b>	(Sweet). 80 days. The largest Sweet Pepper.	.30	.50	1.65
<b>Crimson Giant.</b>	85 days. Very mild, popular home and market sort.	.30	.50	1.50
<b>Harris' Early Giant.</b>	(Sweet). 63 days. Very early for home and market; very prolific, well suited to northern states.	.25	.40	1.40
<b>Hungarian Yellow Wax.</b>	(Hot). Very early. Plants small, heavily productive.	.35	.60	1.75
<b>Sweet Bull Nose.</b>	Mild-fleshed. 60 days. Early and prolific.	.20	.35	1.10
<b>Long Red Cayenne.</b>	(Hot). 70 days. For pickles, canning or drying, very prolific. Fruit long, thin, and tapered.	.20	.35	1.10
<b>Pimento.</b>	(Perfection). Sweet. 72 days. Standard variety for home market. Heavy producer, fruits smooth and regular.	.20	.30	.90
<b>Oakview Wonder.</b>	NEW. (Sweet). 65 days. Blocky, smooth, excellent for home gardening, very prolific. See Cut.	.45	.80	2.60
<b>Ruby King.</b>	(Sweet). Standard for home or market. 68 days. Very productive.	.20	.35	1.00
<b>Sweet Yellow.</b>	Medium size and firm.	.35	.65	2.00
<b>World Beater.</b>	(Sweet). 70 days. Large, oblong, green, thick flesh. Very productive.	.25	.40	1.25

RADISH		→ 1 oz.	4 ozs.	1 lb.
<b>Early Scarlet Globe.</b>	(Short Top). Our strain of this very early forcing variety is a superior one; small tops make it right for bunching. 23 days. An ideal florists' "catch crop" for selling to local stores.	\$0.15	\$0.35	\$1.00
<b>French Breakfast.</b>	25 days. Oblong roots, scarlet, white tipped. Forcing and market.	.15	.35	1.00
<b>Crimson Giant.</b>	30 days. Roots scarlet, spherical. Largest early Radish which remains crisp the longest.	.15	.35	1.00
<b>Icicle.</b>	27 days. Best early standard white.	.15	.30	.85
<b>Scarlet Turnip.</b>	White-tipped popular variety. Tops small, fine quality.	.15	.30	.85
<b>Chinese Rose Winter.</b>	50 days. Best Winter storage variety. Sow in early Fall.	.15	.35	1.00

### SPINACH

<b>Giant Thick Leaved.</b>	NOBEL. 45 days. Thick leaved strain. Long season.	.20	.60	1.50
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### SPINACH—Continued

	1 oz.	4 ozs.	1 lb.
<b>Savoy Leaved or Bloomsdale.</b> 40 days. Standard early sort. Splendid quality...	\$0.20	\$0.60	\$1.50
<b>New Zealand.</b> Valuable for hot, dry weather. Leaves small, thick, deep green and tender which are picked throughout the season .....	.20	.60	1.50

### SQUASH

<b>Acorn.</b>	100 days. The fine prolific variety now so widely used for baking.	.20	.50	1.50
<b>Giant Summer Straightneck.</b>	55 days. 15 to 20 in. long. Standard early Squash.	.15	.45	1.20

### SWISS CHARD

<b>Lucullus.</b>	Deep green, fleshy, crumpled leaves.	.20	.60	2.00
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### TOMATO. (About 9000 seeds per oz.)

<b>Michigan State Forcing.</b>	WILT RESISTING. New and distinct greenhouse Tomato, developed at Michigan State College. Rich, deep scarlet fruits, globular, medium size, in large clusters. Tr. pkt., 25c.	.80	2.70	8.00
<b>Bonny Best.</b>	Unexcelled for all purposes. Smooth and firm. 73 days.	.45	1.25	5.00
<b>Break O'Day.</b>	Early WILT-RESISTANT, globe-shaped. Heavy producer, flesh firm.	.45	1.25	4.50
<b>Chalk's Early Jewel.</b>	75 days. Heavy producer, scarlet-red—smooth and firm.	.40	1.20	4.50
<b>Crimson Cushion, or Beefsteak.</b>	Large, round, bright scarlet; solid; very prolific.	.50	1.50	4.90
<b>Dwarf Champion.</b>	Tree-like. Requires no support; medium size, solid pink fruit.	.45	1.50	4.75
<b>Dwarf Stone.</b>	81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid.	.45	1.50	4.75
<b>Earliana.</b>	Medium size, deep scarlet, firm and smooth. 64 days. Best all around early variety for home gardeners.	.45	1.50	4.50
<b>Early Detroit.</b>	Valuable for shipping. Pink, medium, large, smooth fruit. 78 days.	.45	1.40	4.75
<b>Golden Queen.</b>	83 days. Best large yellow fruited; firm and smooth, mild flavor.	.45	1.50	4.50
<b>Greater Baltimore.</b>	Mid-season. Earlier than Stone, heavy producer, deep scarlet.	.30	.90	2.75
<b>Supreme Gulf State Certified.</b>	Very fine second early, crimson, medium size, very solid, thick skinned, and smooth.	.50	1.50	4.75
<b>John Baer.</b>	Standard all-purpose variety, second early, medium size, red.	.40	1.20	3.75
<b>June Pink.</b>	Earliest pink, early shipper.	.40	1.20	4.00
<b>Livingston's Globe.</b>	Heavy producer. Large purplish pink fruit; smooth and solid.	.50	1.60	5.00
<b>Master Marglobe.</b>	CERTIFIED. Valuable for shipping and HIGHLY RESISTANT. Smooth; of distinct quality and long bearing. 75 days.	.40	1.20	4.00
<b>Oxheart.</b>	90 days. Extra large, heart-shaped; few seeds, mild flavor, choice.	.75	2.25	7.25
<b>Penn State Earliana.</b>	Extra early, red, large, smooth, mild and solid—good producer.	.50	1.50	5.00
<b>Ponderosa.</b>	Extremely large; purplish pink, few seeds, mild flavor. 85 days.	.50	1.50	5.00
<b>Pritchard.</b>	(Scarlet Topper). Fine all-round variety—heavy yielder; second early; WILT-RESISTANT; fruit solid.	.40	1.20	4.00
<b>RUTGERS CERTIFIED.</b>	Second early. Desirable for market gardeners; bright red, smooth, thick walls—firm and mild.	.40	1.20	4.00
<b>Stone.</b>	85 days. Valuable for market and canning; heavy producer; deep scarlet.	.30	.90	2.75
<b>Red Cherry</b>		.45	1.35	4.00
<b>Yellow Plum</b>		.45	1.35	4.00
<b>Yellow Pear</b>		.45	1.35	4.00
<b>Yellow Husk or Ground Cherry</b>		.45	1.35	4.00

### TURNIP

<b>Purple-Top White Globe</b>	.15	.30	.80
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On August 22-23, 1941, the representatives of Geo. J. Ball, Inc. converged on West Chicago for their "Fourth Annual Convention." Pictured above from left to right are G. J. B., Charles Moles of New Jersey, Long Island and Metropolitan New York; Walter Gatewood of Iowa, Wisconsin, Minnesota and Illinois; Charley Newbold and Arne Knutsson from the home office; F. G. Phillips of Boston; Chuck Salt from the home office; Oscar Strand, of Ohio and Michigan; Blaine Stuhlsatz of Chicago; Earl Willison, of New York and Pennsylvania; James Tufts of Northern New England; J. S. Mattis formerly of Philadelphia; F. D. Balzhiser of the home office; Franz Neuman of Milwaukee; J. Masten of the Southwest; Clarence Bahnfleth of the home office and Geo. Ball Jr.

## Catalog No. 43 January 1942

**NOTE—Cash Discount!** When cash is enclosed, a discount of 5% is allowed on all orders from \$1.00 to \$25.00. On \$25.00 and over, 8% is allowed. Prices quoted on Cyclamen seed and Plant Bands however are net, no cash discount.

Cash should accompany all orders unless credit has been established.

**Important.** Make all checks or money orders payable to **Geo. J. Ball, Inc., WEST CHICAGO, ILLINOIS.**

**Note.** Our seed sold only in our printed packets or containers. Order from us only or thru our regular agents.

**All prices in this catalog subject to change without notice.**

**All seed orders** are sent prepaid to U. S. and Canada at catalog prices.

**Air Mail Delivery** will be made on request if 8c per oz. is allowed for postage, which includes shipping envelopes.

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# GROWER TALKS

BY

*Geo. J. Ball*

NOVEMBER  
1941



The dwarf Spry Marigold is made more attractive than the variety Harmony thru its Yellow center being lighter colored—therefore, making a brighter contrast. Choice to flower in 2-2½'s for mid-winter flowering and use in combinations. Don't over-water and grow in a carnation house temperature.

## *This Issue . . .*

### November Notes

Spring flowering Peas—Early flowering Peas—Annual Larkspur—Sowing Stock this month—Pinching Snaps—Browallia—Impatiens—Dwarf Schizanthus—Dwarf Giant Petunias—White for Easter, Spring—Fall Plowing—Pennsylvania Warning.

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**GROWER TALKS**—By reminding you each month of crop to be started and thru feature stories, we feel that **GROWER TALKS** provides a form of service to which the friends of our house are entitled. Subscription 40c per year, 2 years 75c.

**FOR INDEX AND BUSINESS TERMS SEE PAGE 51**

## Thank You . . . . .

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